State of Wisconsin
Department of Natural Resources

Remediation Site Hazardous Waste Determination

Form 4430-019 (R 4/03)

Notice: This voluntary form is intended as an aid for use by Generators and Responsible Parties in determining whether *contaminated soil or groundwater and wastes* encountered or generated during the remediation of contaminated sites in Wisconsin are or would be listed or characteristic hazardous wastes subject to regulation under ch. 291, Wis. Stats. and chs. NR 600 to 690, Wis. Adm. Code. There are no penalties for failure to provide information requested. Personally identifiable information collected will be used for program management. Wisconsin's Open Records law requires the Department to provide this information upon request [ss. 19.31 - 19.69, Wis. Stats.].

Listing determinations are often particularly difficult in the remedial context because the listings are generally identified by the sources of the hazardous wastes rather than the concentrations of various hazardous constituents. Therefore, analytical testing alone, without information on a waste's source, will not generally produce information that will conclusively indicate whether a given waste is a listed hazardous waste. Generators and Responsible Parties should use available site information such as material safety data sheets (MSDS's), manifests, vouchers, bills of lading, sales and inventory records, accident reports, spill reports, inspection reports, and other available information. It may also be necessary to conduct interviews of current or former personnel who would have knowledge of the processes and hazardous materials used including waste handling or past spills in an effort to ascertain the sources of wastes or contaminants.

Where a person makes a good faith effort to determine if a material is a listed hazardous waste but cannot make such a determination because documentation regarding a source of contamination, contaminant, or waste is unavailable or inconclusive, EPA has stated that one may assume the source, contaminant or waste is not listed hazardous waste and, therefore, provided the material in question does not exhibit a characteristic of hazardous waste, RCRA requirements do not apply.

Generator Information

Generator's Name	Preparer's Name
Kevin Peterburs, Union Pacific Railroad Company	Matthew Wilson, Golder Associates Inc.
Address	**Address**
4823 North 119th Street	1133 Quail Court, Suite 115
City, State and ZIP Code	**City, State and ZIP Code**
Milwaukee, WI 53225	Pewaukee, WI 53072
Telephone Number	**Telephone Number**
414-267-4164	262-212-4727

Site Information

Site Name	Other name(s) site is known by
Superior Linens	BRRTS No. 02-41-532649
Address	**County**
5005 S Packard Ave	Milwaukee

Located in the City, Town or Village ZIP Code

Cudahy, 53110

Hazardous Waste Determination Information Reviewed

Listed Hazardous Waste Determination

Manifests reviewed	☐ Yes	☐ No	☑ None Found	☐ None Available	Vouchers reviewed	☐ Yes	☐ No	☑ None Found	☐ None Available
Bills of lading reviewed	☐ Yes	☐ No	☑ None Found	☐ None Available	Sales and inventory records reviewed	☐ Yes	☐ No	☑ None Found	☐ None Available
Material safety data sheets	☐ Yes	☐ No	☑ None Found	☐ None Available	Accident reports reviewed	☐ Yes	☐ No	☑ None Found	☐ None Available
Spill reports reviewed	☑ Yes	☐ No	☐ None Found	☐ None Available	Inspection reports reviewed	☑ Yes	☐ No	☐ None Found	☐ None Available
DNR's case files reviewed	☑ Yes	☐ No	☐ None Found	☐ None Available	Interviewed current and/or former employees who are likely to know about the use and/or disposal of the chemical or waste of concern (not just managers).	☑ Yes	☐ No	☐ None Found	☐ None Available

Hazardous Waste Determination Information Reviewed (continued)

Other information considered (provide description) ☑ Yes ☐ No ☐ None Found ☐ None Available

The material to be disposed of is approximately 145 cubic yards of soil impacted with trichloroethene (TCE) concentrations that exceeded the WDNR industrial direct contact levels. VOC TCLP testing was conducted on a composite soil sample collected from three locations within the excavation area, including the location with the highest TCE concentration, to assess the toxicity characteristics. In the TCLP sample no analytes were recorded above the laboratory method detection limit.

Since TCE is considered a non-flammable chlorinated solvent, the impacted soils are not likely to be considered flammable. Other flammable analytes detected in soil samples from the area to be excavated were found to be below the laboratory method detection limits or at low concentrations below the applicable residential direct contact RCL; at maximum benzene and DCE account for 0.0037% and 0.010% of the weight of the excavated soil, respectively, for example.

SMA and UPRR have found no recorded uses or spills of chlorinated solvents on the properties as a source for the soil with TCE presence. Please see SMA's February 21, 2020 Site Investigation / Remedial Action Options and Remedial Design Report for additional site details.

The Superior Health Linens is an industrial laundry facility that has never performed dry cleaning according to the owners of the facility. Two spills have been recorded on the Superior Health Linens property; neither spill contained chlorinated solvents nor were near the area of the planned excavation. The Superior Health Linens site had a gasoline spill site associated with a former gasoline service station that has been remediated and closed (BRRTS 03-41-002376). The Superior Health Linens site had fuel ASTs removed in 1970; DRO concentrations were found in the AST area that has been closed (BRRTS 02-41-305879).

The UPRR property consists of a right-of-way (ROW) with a main rail and siding that has an embankment and drainage ditch along the UPRR ROW and Superior Health Linens property boundary. There have been no known spills on the UPRR ROW property. The samples collected indicate the highest concentrations of CVOC are near the eastern property boundary at an elevation above the centerline of the drainage ditch.

Based on the site history with no known uses or spills of chlorinated solvents, non-detect TCLP VOC results, and low concentrations of other VOC analytes, it is Golder's opinion that the soil once excavated can be classified as a non-hazardous waste.

Characteristic Hazardous Waste Determination

Identified location(s)	Testing results
See Attachment 1 for Figure 1 and 2. TCE concentrations exceeding the industrial direct contact limit in the upper 4 feet of soil were found in an are approximately 125 feet by 9 feet along the edge of the pavement. The area was delineated to the north, west, and south with samples collected via hand augers. The area to the east is capped with an asphalt surface that is considered an engineered barrier.	11 sample locations were found to have TCE concentrations exceeding the industrial direct contact limit. See Attachment 2 for soil analytical results. Table 1 contains the VOC analyses for the samples collected by Golder. Table 2 contains the VOC TCLP analysis where no analytes were recorded above the laboratory method detection limit. The TCLP sample was a composite of soil selected from the HA-10 (0-1 ft), HA-16 (1-2 ft), and HA-21 (1-2ft) sample locations and depths as a representative sample for the excavation area that includes the sample with the highest TCE concentration, HA-16 (1-2ft). Attachment 3 contains the full laboratory reports.

Certification

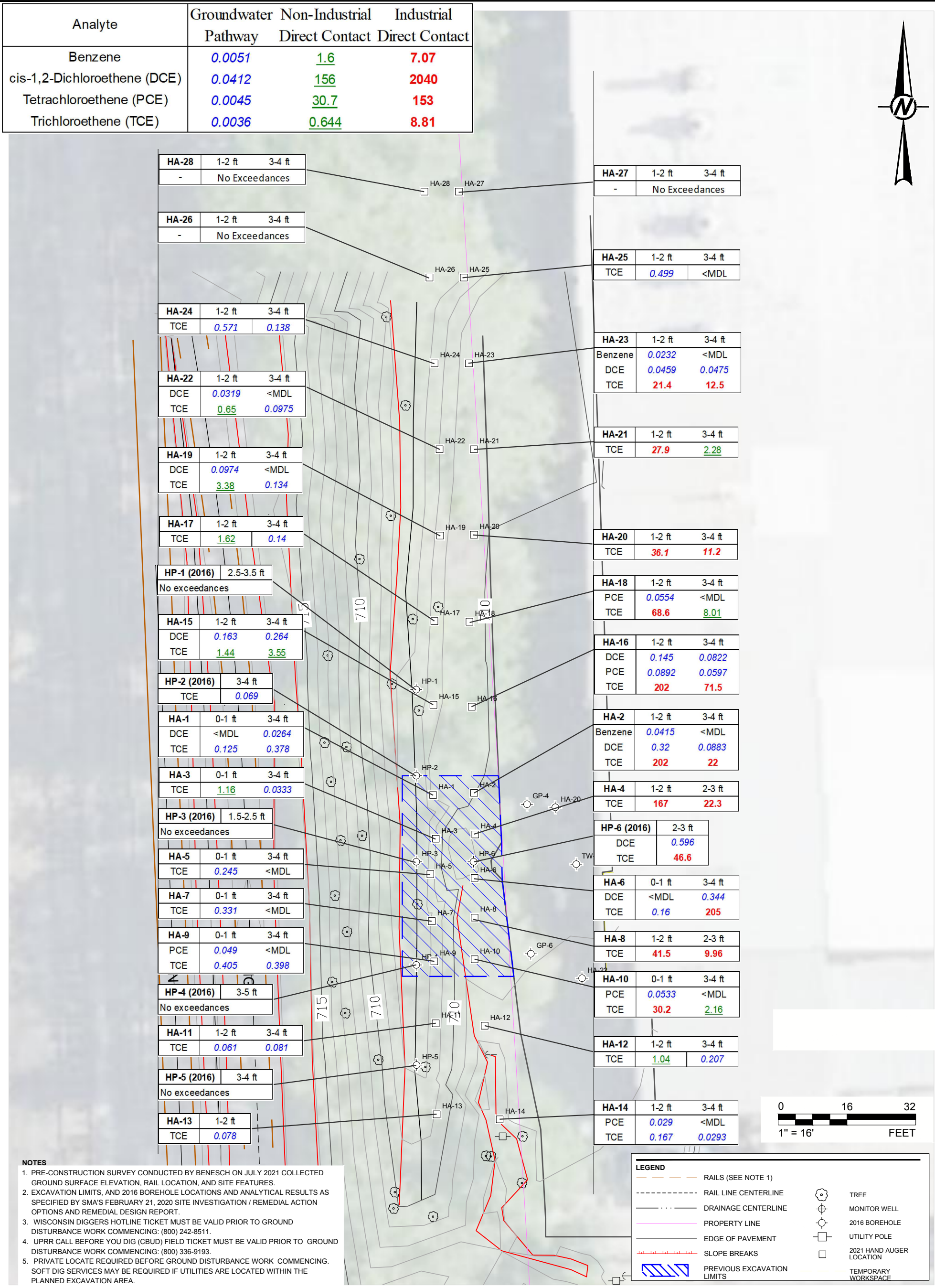
I certify that the information documented above in the "Information reviewed to make a hazardous waste determination" section was developed and used as part of a good faith effort to make a hazardous waste determination. Reasonable diligence was used in collecting the information, evaluating the information, and using the compiled information. I certify that this document is true and correct to the best of my knowledge, and that I have authority to make this certification.

Name and Title Kevin Peterburs, Site Remediation Manager, Union Pacific Railroad Company

Signature		Date
	Kevin Peterburs	12/29/2021

Attachment 1
Excavation Area Figures

Analyte	Groundwater Pathway	Non-Industrial Direct Contact	Industrial Direct Contact
Benzene	0.0051	1.6	7.07
cis-1,2-Dichloroethene (DCE)	0.0412	156	2040
Tetrachloroethene (PCE)	0.0045	30.7	153
Trichloroethene (TCE)	0.0036	0.644	8.81



NOTES

1. PRE-CONSTRUCTION SURVEY CONDUCTED BY BENESCH ON JULY 2021 COLLECTED GROUND SURFACE ELEVATION, RAIL LOCATION, AND SITE FEATURES.
2. EXCAVATION LIMITS, AND 2016 BOREHOLE LOCATIONS AND ANALYTICAL RESULTS AS SPECIFIED BY SMA'S FEBRUARY 21, 2020 SITE INVESTIGATION / REMEDIAL ACTION OPTIONS AND REMEDIAL DESIGN REPORT.
3. WISCONSIN DIGGERS HOTLINE TICKET MUST BE VALID PRIOR TO GROUND DISTURBANCE WORK COMMENCING: (800) 242-8511.
4. UPRR CALL BEFORE YOU DIG (CBUD) FIELD TICKET MUST BE VALID PRIOR TO GROUND DISTURBANCE WORK COMMENCING: (800) 336-9193.
5. PRIVATE LOCATE REQUIRED BEFORE GROUND DISTURBANCE WORK COMMENCING. SOFT DIG SERVICES MAY BE REQUIRED IF UTILITIES ARE LOCATED WITHIN THE PLANNED EXCAVATION AREA.

REV. YYYY-MM-DD DESCRIPTION

DESIGNED PREPARED REVIEWED APPROVED

SEAL

CLIENT
UNION PACIFIC RAILROAD COMPANY
ENVIRONMENTAL SITE REMEDIATION

CONSULTANT
GOLDER
MEMBER OF WSP

GOLDER - PEWAUKEE
1133 QUAIL CT, SUITE 115
PEWAUKEE, WI 53072
USA
262-212
www.golder.com

PROJECT
SUPERIOR LINENS REMEDIATION
UPRR RIGHT-OF-WAY
CUDAHY, WISCONSIN

TITLE
SOIL ANALYTICAL RESULTS

PROJECT NO.	TASK	REV.		SHEET
20140391	240	C	1 of 2	1

NOTES

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LEGEND

- RAILS (SEE NOTE 1)
- RAIL LINE CENTERLINE
- DRAINAGE CENTERLINE
- PROPERTY LINE
- EDGE OF PAVEMENT
- SLOPE BREAKS
- TEMPORARY WORKSPACE LIMIT
- EXCAVATION LIMITS
- TREE
- MONITOR WELL
- 2016 BOREHOLE
- UTILITY POLE
- 2021 HAND AUGER LOCATION

SEAL

REV. YYYY-MM-DD DESCRIPTION

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PROJECT
SUPERIOR LINENS REMEDIATION
UPRR RIGHT-OF-WAY
CUDAHY, WISCONSIN

TITLE
EXCAVATION LIMITS

PROJECT NO.	TASK	REV.	2 of 2	SHEET
20140391	240	C		2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
1 in
0

Attachment 2
Analytical Data Tables

UPRR Superior Health Linens
Cudahy, WI
Table 1 - Soil VOC Results

Boring/Well Number		EPA Risk-Based Screening Level[1]			HA-1						HA-2				HA-3				HA-4			
Sample Name					SO-2812-HA1 (0-1)-291021		SO-2812-HA1 (3-4)-291021		SO-2812-HA1 DUP-291021		SO-2812-HA2 (1-2)-291021		SO-2812-HA2 (3-4)-291021		SO-2812-HA3 (0-1)-291021		SO-2812-HA3 (3-4)-291021		SO-2812-HA4 (1-2)-291021		SO-2812-HA4 (2-3)-291021	
Sample Date					10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021	
Sample Location/ Sample Depth	Units	Groundwater Pathway	Direct Contact Non-Industrial	Direct Contact Industrial	HA-1 (0-1 ft)		HA-1 (3-4 ft)		HA-1 (3-4 ft)		HA-2 (1-2 ft)		HA-2 (3-4 ft)		HA-3 (0-1 ft)		HA-3 (3-4 ft)		HA-4 (1-2 ft)		HA-4 (2-3 ft)	
PID	ppm/v				0.7		0.4		0.4		1.1		5.7		0.6		0.5		1.0		1.7	
1,1,1,2-Tetrachloroethane	mg/kg	*53.3*	2590	**12900**	<0.166	J3	<0.0975		<0.0960		<0.238		<0.0966		<0.187		<0.0915		<0.189		<0.103	
1,1,1-Trichloroethane	mg/kg	*140.2*	640000	**640000**	<0.162	J3	<0.0951		<0.0936		1.17		0.0744	J	0.116	J	<0.0891		0.465		0.0598	J
1,1,2,2-Tetrachloroethane	mg/kg	*0.2*	753	**3690**	<0.122	J3	<0.0716		<0.0705		<0.175		<0.0709		<0.136		<0.0671		<0.139		<0.0752	
1,1,2-Trichloroethane	mg/kg	*3.2*	1480	**7340**	<0.104		<0.0614		<0.0604		<0.150		<0.0608		<0.117		<0.0575		<0.120		<0.0646	
1,1-Dichloroethane	mg/kg	*483.6*	4720	**23700**	<0.0857	J3	<0.0506		<0.0498		<0.123		<0.0501		<0.0964		<0.0475		<0.0984		<0.0531	
1,1-Dichloroethene	mg/kg	*5*	342000	**1190000**	<0.106	J3	<0.0626		<0.0616		<0.152		<0.0620		<0.119		<0.0587		<0.121		<0.0657	
1,1-Dichloropropene	mg/kg	*NES*	NES	**NES**	<0.142	J3	<0.0831		<0.0818		<0.202		<0.0823		<0.159		<0.0779		<0.162		<0.0873	
1,2,3-Trichlorobenzene	mg/kg	*NES*	48900	**493000**	<1.28	C4	<0.753	C4	<0.742	C4	<1.84	C4	<0.746	C4	<1.44	C4	<0.706	C4	<1.47	C4	<0.794	C4
1,2,3-Trichloropropane	mg/kg	*52*	5	**95**	<0.283	J3	<0.167		<0.164		<0.406		<0.165		<0.319		<0.156		<0.325		<0.176	
1,2,4-Trichlorobenzene	mg/kg	*408*	22100	**98700**	<0.770		<0.453		<0.446		<1.10		<0.449		<0.863		<0.425		<0.881		<0.476	
1,2,4-Trimethylbenzene	mg/kg	*1.379*	219	**219**	<0.276		<0.163		<0.160		0.207	J	<0.161		0.122	J	<0.153		0.156	J	<0.171	
1,2-Dibromo-3-chloropropane	mg/kg	*0.0002*	0.008	**0.099**	<0.682	J3	<0.401		<0.395		<0.977		<0.397		<0.767		<0.376		<0.781		<0.421	
1,2-Dibromoethane	mg/kg	*0.00003*	0.047	**0.23**	<0.113	J3	<0.0667		<0.0656		<0.163		<0.0660		<0.127		<0.0625		<0.130		<0.0700	
1,2-Dichlorobenzene	mg/kg	*1.168*	376	**376**	<0.0747	J3	<0.0436		<0.0429		<0.106		<0.0431		<0.0836		<0.0409		<0.0851		<0.0460	
1,2-Dichloroethane (1,2-DCA)	mg/kg	*0.0028*	0.608	**3.03**	<0.114	J3	<0.0667		<0.0656		<0.163		<0.0660		<0.128		<0.0625		<0.130		<0.0700	
1,2-Dichloropropane	mg/kg	*0.0033*	1.33	**6.62**	<0.248	J3	<0.146		<0.143		<0.356		<0.144		<0.279		<0.137		<0.284		<0.153	
1,3,5-Trimethylbenzene	mg/kg	*1.379*	182	**182**	<0.350	J3	<0.206		<0.203		<0.501		<0.204		<0.393		<0.193		<0.401		<0.216	
1,3-Dichlorobenzene	mg/kg	*1.152*	297	**297**	<0.105	J3	<0.0617		<0.0608		<0.150		<0.0611		<0.118		<0.0579		<0.120		<0.0649	
1,3-Dichloropropane	mg/kg	*NES*	1490	**1490**	<0.0875	J3	<0.0515		<0.0507		<0.125		<0.0510		<0.0985		<0.0483		<0.101		<0.0543	
1,4-Dichlorobenzene	mg/kg	*0.144*	3.48	**17.5**	<0.122	J3	<0.0720		<0.0709		<0.175		<0.0713		<0.138		<0.0675		<0.141		<0.0759	
2,2-Dichloropropane	mg/kg	*NES*	527	**527**	<0.241	C3	<0.142	C3	<0.140	C3	<0.345	C3	<0.141	C3	<0.271	C3	<0.133	C3	<0.276	C3	<0.150	C3
2-Chlorotoluene	mg/kg	*NES*	907	**907**	<0.152	J3	<0.0889		<0.0875		<0.216		<0.0880		<0.170		<0.0834		<0.173		<0.0936	
4-Chlorotoluene	mg/kg	*NES*	253	**253**	<0.0787	J3	<0.0465		<0.0458		<0.113		<0.0461		<0.0886		<0.0436		<0.0900		<0.0487	
Benzene	mg/kg	*0.0051*	1.6	**7.07**	<0.0817	J3	<0.0481		<0.0474		*0.0415*	J	<0.0477		<0.0917		<0.0452		0.0331	J	<0.0504	
Bromobenzene	mg/kg	*NES*	354	**679**	<0.157	J3	<0.0926		<0.0912		<0.225		<0.0917		<0.177		<0.0868		<0.181		<0.0976	
Bromodichloromethane	mg/kg	*0.0003*	0.39	**1.96**	<0.127	J3	<0.0744		<0.0733		<0.181		<0.0737		<0.143		<0.0698		<0.146		<0.0782	
Bromoform	mg/kg	*0.0023*	61.6	**218**	<0.205	J3	<0.121		<0.119		<0.293		<0.119		<0.230		<0.113		<0.234		<0.126	
Bromomethane	mg/kg	*0.0051*	10.3	**46**	<0.345	J3	<0.202		<0.199		<0.494		<0.200		<0.387		<0.190		<0.395		<0.214	
Carbon Tetrachloride	mg/kg	*0.0039*	0.854	**4.25**	<0.157	J3 J6	<0.0926		<0.0912		<0.225		<0.0917		<0.176		<0.0868		<0.179		<0.0971	
Chlorobenzene	mg/kg	*NES*	392	**761**	<0.0367	J3	<0.0216		<0.0213		<0.0526		<0.0214		<0.0413		<0.0203		<0.0420		<0.0228	
Chlorodibromomethane	mg/kg	*0.032*	0.933	**4.4**	<0.107	J3	<0.0630		<0.0620		<0.153		<0.0623		<0.120		<0.0590		<0.122		<0.0661	
Chloroethane	mg/kg	*0.2266*	2120	**2120**	<0.297	J3	<0.175		<0.173		<0.426		<0.174		<0.334		<0.164		<0.340		<0.184	
Chloroform	mg/kg	*0.0033*	0.423	**2.13**	<0.180	J3	<0.106		<0.105		<0.258		<0.105		<0.202		<0.0996		<0.207		<0.111	
Chloromethane	mg/kg	*0.0155*	171	**720**	<0.765	J3	<0.448		<0.441		<1.09		<0.444		<0.855		<0.420		<0.872		<0.472	
cis-1,2-Dichloroethene (DCE)	mg/kg	*0.0412*	156	**2040**	<0.128	J3	*0.0264*	J	*0.0289*	J	*0.32*		*0.0883*		<0.144		<0.0710		*0.215*		*0.0332*	J
cis-1,3-Dichloropropene	mg/kg	*0.0003*	1220	**1220**	<0.132	J3	<0.0778		<0.0766		<0.190		<0.0770		<0.149		<0.0729		<0.152		<0.0818	
Dibromomethane	mg/kg	*NES*	35	**151**	<0.131	J3	<0.0774		<0.0762		<0.189		<0.0766		<0.147		<0.0726		<0.151		<0.0811	
Diisopropyl Ether	mg/kg	*NES*	2260	**2260**	<0.0717	J3	<0.0423		<0.0417		<0.103		<0.0419		<0.0804		<0.0397		<0.0822		<0.0445	
Ethylbenzene	mg/kg	*1.57*	8.02	**35.4**	<0.129	J3	<0.0757		<0.0745		<0.184		<0.0749		<0.144		<0.0710		0.0494	J	<0.0799	
Fluorotrichloromethane	mg/kg	*4.469*	1120	**1230**	<0.145	J3	<0.0852		<0.0839		<0.207		<0.0843		<0.162		<0.0799		<0.166		<0.0893	
Hexachlorobutadiene	mg/kg	*NES*	6.23	**22.1**	<1.05		<0.617		<0.608		<1.50		<0.611		<1.18		<0.579		<1.20		<0.649	
Isopropylbenzene	mg/kg	*NES*	268	**268**	<0.0747	J3	<0.0436		<0.0429		0.035	J	<0.0431		<0.0836		<0.0409		0.04	J	<0.0460	
Methylene Chloride	mg/kg	*0.0026*	60.7	**1070**	<1.16	J3	<0.683		<0.672		<1.66		<0.676		<1.30		<0.640		<1.33		<0.720	
Methyl-tert-butyl-ether (MTBE)	mg/kg	*0.027*	63.8	**282**	<0.0612	J3	<0.0360		<0.0355		<0.0878		<0.0357		<0.0686		<0.0338		<0.0701		<0.0379	
Naphthalene	mg/kg	*0.658*	5.52	**24.1**	<0.852		<0.502		<0.495		<1.22		<0.497		<0.958		<0.471		<0.975		<0.528	
n-Butylbenzene	mg/kg	*NES*	108	**108**	<0.922		<0.539		<0.531		<1.31		<0.534		<1.03		<0.506		<1.05		<0.566	
n-Propylbenzene	mg/kg	*NES*	264	**264**	<0.166	J3	<0.0979		<0.0964		<0.238		<0.0969		<0.187		<0.0918		<0.191		<0.103	
p-Isopropyltoluene	mg/kg	*NES*	162	**162**	<0.446		<0.263		<0.259		<0.639		<0.260		<0.500		<0.247		<0.511		<0.276	
sec-Butylbenzene	mg/kg	*NES*	145	**145**	<0.504	J3	<0.296		<0.292		<0.721		<0.293		<0.568		<0.278		<0.577		<0.312	
Styrene	mg/kg	*2.2*	867	**867**	<0.0401		<0.0236		<0.0232		<0.0572		<0.0233		<0.0450		<0.0221		<0.0457		<0.0248	
tert-Butylbenzene	mg/kg	*NES*	183	**183**	<0.341	J3	<0.201		<0.198		<0.489		<0.199		<0.383		<0.189		<0.391		<0.211	
Tetrachloroethene (PCE)	mg/kg	*0.0045*	30.7	**153**	<0.157		<0.0922		<0.0908		0.103	J	0.0287	J	<0.176		<0.0865		0.147	J	<0.0968	
Toluene	mg/kg	*1.107*	818	**818**	0.0927	J	<0.133		<0.131		0.21	J	<0.132		0.13	J	<0.125		0.208	J	<0.140	
trans-1,2-Dichloroethene (DCE)	mg/kg	*0.0588*	211	**976**	<0.182	J3	<0.107		<0.105		<0.261		<0.106		<0.204		<0.100		<0.208		<0.112	
trans-1,3-Dichloropropene	mg/kg	*0.0003*	1570	**1570**	<0.199	J3	<0.117		<0.115		<0.285		<0.116		<0.224		<0.110		<0.228		<0.124	
Trichloroethene (TCE)	mg/kg	*0.0036*	0.644	**8.81**	*0.125*		*0.378*		*0.405*		**202**		**22**		1.16		*0.0333*	J	**167**		**22.3**	
Vinyl Chloride	mg/kg	*0.0001*	0.067	**2.03**	<0.203	J3	<0.119		<0.118		<0.290		<0.118		<0.228		<0.112		<0.233		<0.125	
Xylenes, Total	mg/kg	*3.96*	260	**260**	0.175		<0.0905		<0.0891		0.425		<0.0896		0.247		<0.0849		0.38		0.0725	J

NOTES:

PID = organic vapor meter/photoionization detector

VOC = Volatile Organic Compound

ppm/v = parts per million per volume

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NES = no established standard

VOCs analyzed by USEPA Method 8260

C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C4: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

J: The identification of the analyte is acceptable; the reported value is an estimate.

J3: The associated batch QC was outside the established quality control range for precision.

J4: The associated batch QC was outside the established quality control range for accuracy

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

Red/Bold = Value exceeds Industrial direct contact RCL

Green/Underline = Value exceeds Non-Industrial direct contact RCL

Blue/Italic = Value exceeds groundwater pathway RCL

UPRR Superior Health Linens
Cudahy, WI
Table 1 - Soil VOC Results

Boring/Well Number		EPA Risk-Based Screening Level[1]			HA-5				HA-6				HA-7				HA-8			
Sample Name					SO-2812-HA5 (0-1)-291021		SO-2812-HA5 (3-4)-291021		SO-2812-HA6 (0-1)-291021		SO-2812-HA6 (3-4)-291021		SO-2812-HA7 (0-1)-291021		SO-2812-HA7 (3-4)-291021		SO-2812-HA8 (1-2)-291021		SO-2812-HA8 (2-3)-291021	
Sample Date					10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021	
Sample Location/ Sample Depth	Units	Groundwater Pathway	Direct Contact Non-Industrial	Direct Contact Industrial	HA-5 (0-1 ft)		HA-5 (3-4 ft)		HA-6 (0-1 ft)		HA-6 (3-4 ft)		HA-7 (0-1 ft)		HA-7 (3-4 ft)		HA-8 (1-2 ft)		HA-8 (2-3 ft)	
PID	ppm/v				0.5		0.4		0.6		2.5		0.5		0.7		3.5		2.2	
1,1,1,2-Tetrachloroethane	mg/kg	*53.3*	2590	**12900**	<0.192		<0.0968		<0.0930		<0.127		<0.169		<0.0896		<0.101		<0.0975	
1,1,1-Trichloroethane	mg/kg	*140.2*	640000	**640000**	<0.188		<0.0945		<0.0907		0.592		<0.164		<0.0873		0.177		0.0455	J
1,1,2,2-Tetrachloroethane	mg/kg	*0.2*	753	**3690**	<0.141		<0.0709		<0.0683		<0.0935		<0.124		<0.0658		<0.0746		<0.0715	
1,1,2-Trichloroethane	mg/kg	*3.2*	1480	**7340**	<0.121		<0.0609		<0.0585		<0.0801		<0.106		<0.0564		<0.0639		<0.0616	
1,1-Dichloroethane	mg/kg	*483.6*	4720	**23700**	<0.0999		<0.0501		<0.0483		<0.0660		<0.0873		<0.0465		<0.0524		<0.0507	
1,1-Dichloroethene	mg/kg	*5*	342000	**1190000**	<0.123		<0.0621		<0.0597		<0.0816		<0.108		<0.0575		<0.0650		<0.0624	
1,1-Dichloropropene	mg/kg	*NES*	NES	**NES**	<0.164		<0.0825		<0.0793		<0.109		<0.144		<0.0763		<0.0868		<0.0831	
1,2,3-Trichlorobenzene	mg/kg	*NES*	48900	**493000**	<1.49	C4	<0.748	C4	<0.718	C4	<0.984	C4	<1.30	C4	<0.692	C4	<0.783	C4	<0.757	C4
1,2,3-Trichloropropane	mg/kg	*52*	5	**95**	<0.329		<0.165		<0.159		<0.217		<0.288		<0.153		<0.173		<0.167	
1,2,4-Trichlorobenzene	mg/kg	*408*	22100	**98700**	<0.896		<0.451		<0.432		<0.592		<0.780		<0.416		<0.470		<0.454	
1,2,4-Trimethylbenzene	mg/kg	*1.379*	219	**219**	0.149	J	<0.162		<0.155		0.133	J	<0.281		<0.150		<0.169		<0.163	
1,2-Dibromo-3-chloropropane	mg/kg	*0.0002*	0.008	**0.099**	<0.794		<0.397		<0.383		<0.523		<0.693		<0.369		<0.416		<0.400	
1,2-Dibromoethane	mg/kg	*0.00003*	0.047	**0.23**	<0.132		<0.0663		<0.0636		<0.0870		<0.115		<0.0612		<0.0692		<0.0669	
1,2-Dichlorobenzene	mg/kg	*1.168*	376	**376**	<0.0864		<0.0436		<0.0416		<0.0572		<0.0758		<0.0400		<0.0455		<0.0439	
1,2-Dichloroethane (1,2-DCA)	mg/kg	*0.0028*	0.608	**3.03**	<0.132		<0.0663		<0.0636		<0.0873		<0.115		<0.0612		<0.0696		<0.0669	
1,2-Dichloropropane	mg/kg	*0.0033*	1.33	**6.62**	<0.288		<0.145		<0.139		<0.191		<0.252		<0.134		<0.153		<0.146	
1,3,5-Trimethylbenzene	mg/kg	*1.379*	182	**182**	<0.407		<0.205		<0.197		<0.269		<0.356		<0.189		<0.215		<0.206	
1,3-Dichlorobenzene	mg/kg	*1.152*	297	**297**	<0.122		<0.0613		<0.0589		<0.0804		<0.107		<0.0567		<0.0642		<0.0620	
1,3-Dichloropropane	mg/kg	*NES*	1490	**1490**	<0.102		<0.0512		<0.0491		<0.0675		<0.0891		<0.0473		<0.0536		<0.0518	
1,4-Dichlorobenzene	mg/kg	*0.144*	3.48	**17.5**	<0.142		<0.0717		<0.0687		<0.0942		<0.125		<0.0661		<0.0749		<0.0723	
2,2-Dichloropropane	mg/kg	*NES*	527	**527**	<0.280	C3	<0.141		<0.135		<0.185		<0.245		<0.130		<0.148		<0.142	
2-Chlorotoluene	mg/kg	*NES*	907	**907**	<0.176		<0.0882		<0.0848		<0.117		<0.154		<0.0816		<0.0926		<0.0893	
4-Chlorotoluene	mg/kg	*NES*	253	**253**	<0.0915		<0.0459		<0.0444		<0.0606		<0.0800		<0.0428		<0.0482		<0.0465	
Benzene	mg/kg	*0.0051*	1.6	**7.07**	<0.0947		<0.0478		<0.0459		0.0221	J	<0.0832		<0.0442		<0.0501		<0.0480	
Bromobenzene	mg/kg	*NES*	354	**679**	<0.183		<0.0922		<0.0883		<0.121		<0.161		<0.0850		<0.0964		<0.0927	
Bromodichloromethane	mg/kg	*0.0003*	0.39	**1.96**	<0.148		<0.0740		<0.0710		<0.0976		<0.129		<0.0684		<0.0777		<0.0749	
Bromoform	mg/kg	*0.0023*	61.6	**218**	<0.238		<0.119		<0.115		<0.157		<0.208		<0.111		<0.125		<0.120	
Bromomethane	mg/kg	*0.0051*	10.3	**46**	<0.400		<0.201	C3	<0.193	C3	<0.264	C3	<0.351	C3	<0.186	C3	<0.211	C3	<0.203	C3
Carbon Tetrachloride	mg/kg	*0.0039*	0.854	**4.25**	<0.183		<0.0917		<0.0883		<0.121		<0.159		<0.0850		<0.0960		<0.0927	
Chlorobenzene	mg/kg	*NES*	392	**761**	<0.0426		<0.0214		<0.0206		<0.0283		<0.0374		<0.0198		<0.0225		<0.0217	
Chlorodibromomethane	mg/kg	*0.032*	0.933	**4.4**	<0.124		<0.0624		<0.0601		<0.0824		<0.109		<0.0578		<0.0654		<0.0632	
Chloroethane	mg/kg	*0.2266*	2120	**2120**	<0.346		<0.173		<0.167		<0.229		<0.302		<0.161		<0.182		<0.175	
Chloroform	mg/kg	*0.0033*	0.423	**2.13**	<0.209		<0.105		<0.101		<0.138		<0.183		<0.0975		<0.110		<0.106	
Chloromethane	mg/kg	*0.0155*	171	**720**	<0.882		<0.443		<0.428		<0.584		<0.772		<0.412		<0.467		<0.450	
cis-1,2-Dichloroethene (DCE)	mg/kg	*0.0412*	156	**2040**	<0.149		<0.0752		<0.0722		*0.344*		<0.131		<0.0695		*0.0774*	J	<0.0757	
cis-1,3-Dichloropropene	mg/kg	*0.0003*	1220	**1220**	<0.153		<0.0775		<0.0742		<0.102		<0.134		<0.0714		<0.0811		<0.0779	
Dibromomethane	mg/kg	*NES*	35	**151**	<0.152		<0.0767		<0.0738		<0.101		<0.133		<0.0711		<0.0803		<0.0771	
Diisopropyl Ether	mg/kg	*NES*	2260	**2260**	<0.0832		<0.0420		<0.0404		<0.0553		<0.0731		<0.0389		<0.0439		<0.0423	
Ethylbenzene	mg/kg	*1.57*	8.02	**35.4**	0.0471	J	<0.0752		<0.0722		0.0335	J	<0.131		<0.0695		<0.0788		<0.0760	
Fluorotrichloromethane	mg/kg	*4.469*	1120	**1230**	<0.169		<0.0844	C3	<0.0813	C3	<0.111	C3	<0.147	C3	<0.0782	C3	<0.0887	C3	<0.0851	C3
Hexachlorobutadiene	mg/kg	*NES*	6.23	**22.1**	<1.22		<0.613		<0.589		<0.804		<1.07		<0.567		<0.642		<0.620	
Isopropylbenzene	mg/kg	*NES*	268	**268**	0.041	J	<0.0436		<0.0416		0.0269	J	<0.0758		<0.0400		<0.0455		<0.0439	
Methylene Chloride	mg/kg	*0.0026*	60.7	**1070**	<1.35		<0.679		<0.651		<0.892		<1.18		<0.627		<0.711		<0.684	
Methyl-tert-butyl-ether (MTBE)	mg/kg	*0.027*	63.8	**282**	<0.0711		<0.0357		<0.0344		<0.0469		<0.0624		<0.0331		<0.0375		<0.0361	
Naphthalene	mg/kg	*0.658*	5.52	**24.1**	<0.993		<0.497		<0.479		0.235	J	<0.869		<0.462		<0.524		<0.502	
n-Butylbenzene	mg/kg	*NES*	108	**108**	<1.07		<0.535		<0.515		<0.706		<0.933		<0.496		<0.562		<0.541	
n-Propylbenzene	mg/kg	*NES*	264	**264**	<0.194		<0.0971		<0.0934		<0.128		<0.169		<0.0899		<0.102		<0.0979	
p-Isopropyltoluene	mg/kg	*NES*	162	**162**	<0.520		<0.260		<0.251		<0.343		<0.453		<0.242		<0.273		<0.263	
sec-Butylbenzene	mg/kg	*NES*	145	**145**	<0.585		<0.294		<0.283		<0.389		<0.513		<0.272		<0.309		<0.297	
Styrene	mg/kg	*2.2*	867	**867**	<0.0464		<0.0234		<0.0225		<0.0308		<0.0408		<0.0217		<0.0245		<0.0236	
tert-Butylbenzene	mg/kg	*NES*	183	**183**	<0.396		<0.199		<0.192		<0.262		<0.347		<0.185		<0.209		<0.201	
Tetrachloroethene (PCE)	mg/kg	*0.0045*	30.7	**153**	0.0564	J	<0.0914		<0.0880		*0.241*		<0.159		<0.0847		*0.0692*	J	<0.0922	
Toluene	mg/kg	*1.107*	818	**818**	0.134	J	<0.133		<0.127		0.111	J	<0.231		<0.122		<0.139		<0.134	
trans-1,2-Dichloroethene (DCE)	mg/kg	*0.0588*	211	**976**	<0.212		<0.106		<0.102		<0.140		<0.184		<0.0983		<0.111		<0.107	
trans-1,3-Dichloropropene	mg/kg	*0.0003*	1570	**1570**	<0.231		<0.117		<0.112		<0.153		<0.202		<0.108		<0.122		<0.118	
Trichloroethene (TCE)	mg/kg	*0.0036*	0.644	**8.81**	*0.245*		<0.0598		*0.16*		**205**		*0.331*		<0.0552		**41.5**		**9.96**	
Vinyl Chloride	mg/kg	*0.0001*	0.067	**2.03**	<0.235		<0.118		<0.114		<0.156		<0.207		<0.110		<0.124		<0.119	
Xylenes, Total	mg/kg	*3.96*	260	**260**	0.336		<0.0899		0.0408	J	0.275		0.131	J	<0.0831		0.0778	J	<0.0907	

NOTES:

PID = organic vapor meter/photoionization detector

VOC = Volatile Organic Compound

ppm/v = parts per million per volume

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NES = no established standard

VOCs analyzed by USEPA Method 8260

C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C4: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

J: The identification of the analyte is acceptable; the reported value is an estimate.

J3: The associated batch QC was outside the established quality control range for precision.

J4: The associated batch QC was outside the established quality control range for accuracy

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

Red/Bold = Value exceeds Industrial direct contact RCL

Green/Underline = Value exceeds Non-Industrial direct contact RCL

Blue/Italic = Value exceeds groundwater pathway RCL

UPRR Superior Health Linens
Cudahy, WI
Table 1 - Soil VOC Results

Boring/Well Number		EPA Risk-Based Screening Level[1]			HA-9				HA-10						HA-11					
Sample Name					SO-2812-HA9 (0-1)-291021		SO-2812-HA9 (3-4)-291021		SO-2812-HA10 (0-1)-291021		SO-2812-HA10 (3-4)-291021		SO-2812-HA10 DUP-291021		SO-2812-HA11 (1-2)-151121		SQ-2812-HA11 DUP-151121		SO-2812-HA11 (3-4)-151121	
Sample Date					10/29/2021		10/29/2021		10/29/2021		10/29/2021		10/29/2021		11/15/2021		11/15/2021		11/15/2021	
Sample Location/ Sample Depth	Units	Groundwater Pathway	Direct Contact Non-Industrial	Direct Contact Industrial	HA-9 (0-1 ft)		HA-9 (3-4 ft)		HA-10 (0-1 ft)		HA-10 (3-4 ft)		HA-10 (3-4 ft)		HA-11 (1-2 ft)		HA-11 (1-2 ft) Dup		HA-11 (3-4 ft)	
PID	ppm/v				0.6		0.6		1.4		5.6									
1,1,1,2-Tetrachloroethane	mg/kg	*53.3*	2590	**12900**	<0.137		<0.0945	J4	<0.105	J4	<0.0913	J4	<0.107	J4	<0.0788		<0.0756		<0.0625	
1,1,1-Trichloroethane	mg/kg	*140.2*	640000	**640000**	0.766		0.043	J J4	0.306	C5 J4	0.0881	J J4	0.0522	J J4	<0.0788		<0.0756		<0.0625	
1,1,2,2-Tetrachloroethane	mg/kg	*0.2*	753	**3690**	<0.100		<0.0694	C3	<0.0775	C3	<0.0670	C3	<0.0783	C3	<0.0788		<0.0756		<0.0625	
1,1,2-Trichloroethane	mg/kg	*3.2*	1480	**7340**	<0.0860		<0.0595		<0.0665		<0.0574		<0.0671		<0.0788		<0.0756		<0.0625	
1,1-Dichloroethane	mg/kg	*483.6*	4720	**23700**	<0.0707		<0.0491		<0.0549		<0.0474		<0.0554		<0.0788		<0.0756		<0.0625	
1,1-Dichloroethene	mg/kg	*5*	342000	**1190000**	<0.0875		<0.0607		<0.0677		<0.0586		<0.0685		<0.0788		<0.0756		<0.0625	
1,1-Dichloropropene	mg/kg	*NES*	NES	**NES**	<0.117		<0.0805		<0.0900		<0.0777		<0.0909		<0.0788		<0.0756		<0.0625	
1,2,3-Trichlorobenzene	mg/kg	*NES*	48900	**493000**	<1.06	C4	<0.730		<0.819		<0.705		<0.824		<0.394	C4			<0.313	C4
1,2,3-Trichloropropane	mg/kg	*52*	5	**95**	<0.233		<0.162	C3	<0.180	C3	<0.156	C3	<0.182	C3	<0.394		<0.378		<0.313	
1,2,4-Trichlorobenzene	mg/kg	*408*	22100	**98700**	<0.636		<0.439	J4	<0.488	J4	<0.424	J4	<0.495	J4	<0.394	C4	<0.378	C4	<0.313	C4
1,2,4-Trimethylbenzene	mg/kg	*1.379*	219	**219**	0.0748	J	<0.158		0.0533	J	<0.152		<0.178		0.115	J	<0.151		<0.125	
1,2-Dibromo-3-chloropropane	mg/kg	*0.0002*	0.008	**0.099**	<0.562		<0.389		<0.433		<0.375		<0.439		<0.788		<0.756		<0.625	
1,2-Dibromoethane	mg/kg	*0.00003*	0.047	**0.23**	<0.0934		<0.0646		<0.0720		<0.0624		<0.0729		<0.0788		<0.0756		<0.0625	
1,2-Dichlorobenzene	mg/kg	*1.168*	376	**376**	<0.0613		<0.0422		<0.0476		<0.0408		<0.0477		<0.158		<0.151		<0.125	
1,2-Dichloroethane (1,2-DCA)	mg/kg	*0.0028*	0.608	**3.03**	<0.0939		<0.0646		<0.0724		<0.0624		<0.0729		<0.0788		<0.0756		<0.0625	
1,2-Dichloropropane	mg/kg	*0.0033*	1.33	**6.62**	<0.205		<0.141		<0.158		<0.136		<0.159		<0.158		<0.151		<0.125	
1,3,5-Trimethylbenzene	mg/kg	*1.379*	182	**182**	<0.289		<0.200		<0.222		<0.193		<0.225		<0.158		<0.151		<0.125	
1,3-Dichlorobenzene	mg/kg	*1.152*	297	**297**	<0.0868		<0.0598		<0.0668		<0.0578		<0.0675		<0.158		<0.151		<0.125	
1,3-Dichloropropane	mg/kg	*NES*	1490	**1490**	<0.0722		<0.0499		<0.0557		<0.0482		<0.0563		<0.158		<0.151		<0.125	
1,4-Dichlorobenzene	mg/kg	*0.144*	3.48	**17.5**	<0.101		<0.0698		<0.0780		<0.0673		<0.0787		<0.158		<0.151		<0.125	
2,2-Dichloropropane	mg/kg	*NES*	527	**527**	<0.199		<0.138		<0.154		<0.133		<0.155		<0.0788		<0.0756		<0.0625	
2-Chlorotoluene	mg/kg	*NES*	907	**907**	<0.125		<0.0861		<0.0964		<0.0832		<0.0972		<0.0788		<0.0756		<0.0625	
4-Chlorotoluene	mg/kg	*NES*	253	**253**	<0.0648		<0.0451		<0.0501		<0.0435		<0.0509		<0.158		<0.151		<0.125	
Benzene	mg/kg	*0.0051*	1.6	**7.07**	<0.0675		<0.0467		<0.0518		<0.0450		<0.0527		<0.0315		<0.0303		<0.0250	
Bromobenzene	mg/kg	*NES*	354	**679**	<0.130		<0.0897		<0.100		<0.0866		<0.101		<0.394		<0.378		<0.313	
Bromodichloromethane	mg/kg	*0.0003*	0.39	**1.96**	<0.105		<0.0721		<0.0810		<0.0697		<0.0814		<0.0788		<0.0756		<0.0625	
Bromoform	mg/kg	*0.0023*	61.6	**218**	<0.168		<0.117		<0.130		<0.113		<0.132		<0.788		<0.756		<0.625	
Bromomethane	mg/kg	*0.0051*	10.3	**46**	<0.284	C3	<0.196	J4	<0.220	J4	<0.189	J4	<0.221	J4	<0.394		<0.378		<0.313	
Carbon Tetrachloride	mg/kg	*0.0039*	0.854	**4.25**	0.106	J	<0.0897		<0.0999		<0.0866		<0.101		<0.158		<0.151		<0.125	
Chlorobenzene	mg/kg	*NES*	392	**761**	<0.0303		<0.0209		<0.0234		<0.0202		<0.0236		<0.0788		<0.0756		<0.0625	
Chlorodibromomethane	mg/kg	*0.032*	0.933	**4.4**	<0.0884		<0.0610		<0.0681		<0.0589		<0.0689		<0.0788		<0.0756		<0.0625	
Chloroethane	mg/kg	*0.2266*	2120	**2120**	<0.245		<0.170		<0.189		<0.164		<0.192		<0.158		<0.151		<0.125	
Chloroform	mg/kg	*0.0033*	0.423	**2.13**	<0.148		<0.103		<0.115		<0.0993		<0.116		<0.0788		<0.0756		<0.0625	
Chloromethane	mg/kg	*0.0155*	171	**720**	<0.628		<0.434		<0.485		<0.419		<0.490		<0.394		<0.378		<0.313	
cis-1,2-Dichloroethene (DCE)	mg/kg	*0.0412*	156	**2040**	<0.106		<0.0733		<0.0819		<0.0708		<0.0828		<0.0788		<0.0756		<0.0625	
cis-1,3-Dichloropropene	mg/kg	*0.0003*	1220	**1220**	<0.109		<0.0754		<0.0845		<0.0728		<0.0851		<0.0788		<0.0756		<0.0625	
Dibromomethane	mg/kg	*NES*	35	**151**	<0.108		<0.0750		<0.0836		<0.0724		<0.0847		<0.158		<0.151		<0.125	
Diisopropyl Ether	mg/kg	*NES*	2260	**2260**	<0.0593		<0.0410		<0.0459		<0.0396		<0.0463		<0.0315		<0.0303		<0.0250	
Ethylbenzene	mg/kg	*1.57*	8.02	**35.4**	<0.106		<0.0733		<0.0823		<0.0708		<0.0828		<0.0788		<0.0756		<0.0625	
Fluorotrichloromethane	mg/kg	*4.469*	1120	**1230**	<0.119	C3	<0.0826		<0.0922		<0.0797		<0.0932		<0.0788		<0.0756		<0.0625	
Hexachlorobutadiene	mg/kg	*NES*	6.23	**22.1**	<0.868		<0.598		<0.668		<0.578		<0.675		<0.788		<0.756		<0.625	
Isopropylbenzene	mg/kg	*NES*	268	**268**	<0.0613		<0.0422		<0.0476		<0.0408		<0.0477		<0.0788		<0.0756		<0.0625	
Methylene Chloride	mg/kg	*0.0026*	60.7	**1070**	<0.958		<0.662		<0.742		<0.639		<0.747		<0.788		<0.756		<0.625	
Methyl-tert-butyl-ether (MTBE)	mg/kg	*0.027*	63.8	**282**	<0.0507		<0.0349		<0.0389		<0.0337		<0.0394		<0.0315		<0.0303		<0.0250	
Naphthalene	mg/kg	*0.658*	5.52	**24.1**	<0.703		<0.487		<0.544		<0.470		<0.549		<0.394		<0.378		<0.313	
n-Butylbenzene	mg/kg	*NES*	108	**108**	<0.758		<0.523		<0.587		<0.505		<0.590		<0.394		<0.378		<0.313	
n-Propylbenzene	mg/kg	*NES*	264	**264**	<0.137		<0.0949		<0.106		<0.0916		<0.107		<0.158		<0.151		<0.125	
p-Isopropyltoluene	mg/kg	*NES*	162	**162**	<0.368		<0.255		<0.284		<0.246		<0.288		<0.158		<0.151		<0.125	
sec-Butylbenzene	mg/kg	*NES*	145	**145**	<0.416		<0.287		<0.321		<0.277		<0.324		<0.394		<0.378		<0.313	
Styrene	mg/kg	*2.2*	867	**867**	<0.0331		<0.0229		<0.0255		<0.0221		<0.0258		<0.394		<0.378		<0.313	
tert-Butylbenzene	mg/kg	*NES*	183	**183**	<0.282		<0.195		<0.217		<0.188		<0.220		<0.158		<0.151		<0.125	
Tetrachloroethene (PCE)	mg/kg	*0.0045*	30.7	**153**	*0.049*	J	<0.0894		*0.0533*	J	<0.0863		<0.101		<0.0788		<0.0756		<0.0625	
Toluene	mg/kg	*1.107*	818	**818**	0.0792	J	<0.129		0.0793	J	<0.125		<0.146		<0.158		0.0566	J	<0.125	
trans-1,2-Dichloroethene (DCE)	mg/kg	*0.0588*	211	**976**	<0.150		<0.104		<0.116		<0.100		<0.117		<0.158		<0.151		<0.125	
trans-1,3-Dichloropropene	mg/kg	*0.0003*	1570	**1570**	<0.165		<0.114		<0.127		<0.110		<0.128		<0.158		<0.151		<0.125	
Trichloroethene (TCE)	mg/kg	*0.0036*	0.644	**8.81**	*0.405*		*0.398*		**30.2**		2.16		1.57		*0.061*		*0.0809*		*0.0645*	
Vinyl Chloride	mg/kg	*0.0001*	0.067	**2.03**	<0.167		<0.116		<0.130		<0.112		<0.131		<0.0788		<0.0756		<0.0625	
Xylenes, Total	mg/kg	*3.96*	260	**260**	0.167		<0.0877		0.176		<0.0847		<0.0990		0.0742	J	0.0869	J	<0.163	

NOTES:

PID = organic vapor meter/photoionization detector

VOC = Volatile Organic Compound

ppm/v = parts per million per volume

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NES = no established standard

VOCs analyzed by USEPA Method 8260

C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C4: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

J: The identification of the analyte is acceptable; the reported value is an estimate.

J3: The associated batch QC was outside the established quality control range for precision.

J4: The associated batch QC was outside the established quality control range for accuracy

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

Red/Bold = Value exceeds Industrial direct contact RCL

Green/Underline = Value exceeds Non-Industrial direct contact RCL

Blue/Italic = Value exceeds groundwater pathway RCL

UPRR Superior Health Linens
Cudahy, WI
Table 1 - Soil VOC Results

Boring/Well Number		EPA Risk-Based Screening Level[1]			HA-12				HA-13		HA-14				HA-15				HA-16			
Sample Name					SO-2812-HA12 (1-2)-151121		SO-2812-HA12 (3-4)-151121		SO-2812-HA13 (1-2)-151121		SO-2812-HA14 (1-2)-151121		SO-2812-HA14 (3-4)-151121		SO-2812-HA15 (1-2)-151121		SO-2812-HA15 (3-4)-151121		SO-2812-HA16 (1-2)-151121		SO-2812-HA16 (3-4)-151121	
Sample Date					11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021	
Sample Location/ Sample Depth	Units	Groundwater Pathway	Direct Contact Non-Industrial	Direct Contact Industrial	HA-12 (1-2 ft)		HA-12 (3-4 ft)		HA-13 (1-2 ft)		HA-14 (1-2 ft)		HA-14 (3-4 ft)		HA-15 (1-2 ft)		HA-15 (3-4 ft)		HA-16 (1-2 ft)		HA-16 (3-4 ft)	
PID	ppm/v																					
1,1,1,2-Tetrachloroethane	mg/kg	*53.3*	2590	**12900**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,1,1-Trichloroethane	mg/kg	*140.2*	640000	**640000**	0.206		0.127		0.0662	J	0.159		0.104		0.222		0.0304	J	0.306		0.146	
1,1,2,2-Tetrachloroethane	mg/kg	*0.2*	753	**3690**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,1,2-Trichloroethane	mg/kg	*3.2*	1480	**7340**	<0.0681		<0.0625		<0.0994		0.0181	J	<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,1-Dichloroethane	mg/kg	*483.6*	4720	**23700**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,1-Dichloroethene	mg/kg	*5*	342000	**1190000**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,1-Dichloropropene	mg/kg	*NES*	NES	**NES**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,2,3-Trichlorobenzene	mg/kg	*NES*	48900	**493000**	<0.341	C4	<0.313	C4	<0.497	C4	<0.316	C4	<0.313	C4	<0.506	C4	<0.322	C4	<0.472	C4	<0.375	C4
1,2,3-Trichloropropane	mg/kg	*52*	5	**95**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
1,2,4-Trichlorobenzene	mg/kg	*408*	22100	**98700**	<0.341	C4	<0.313	C4	<0.497	C4	<0.316	C4	<0.313	C4	<0.506	C4	<0.322	C4	<0.472	C4	<0.375	C4
1,2,4-Trimethylbenzene	mg/kg	*1.379*	219	**219**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
1,2-Dibromo-3-chloropropane	mg/kg	*0.0002*	0.008	**0.099**	<0.681		<0.625		<0.994		<0.631		<0.625		<1.01		<0.644		<0.944		<0.750	
1,2-Dibromoethane	mg/kg	*0.00003*	0.047	**0.23**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,2-Dichlorobenzene	mg/kg	*1.168*	376	**376**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
1,2-Dichloroethane (1,2-DCA)	mg/kg	*0.0028*	0.608	**3.03**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
1,2-Dichloropropane	mg/kg	*0.0033*	1.33	**6.62**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
1,3,5-Trimethylbenzene	mg/kg	*1.379*	182	**182**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
1,3-Dichlorobenzene	mg/kg	*1.152*	297	**297**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
1,3-Dichloropropane	mg/kg	*NES*	1490	**1490**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
1,4-Dichlorobenzene	mg/kg	*0.144*	3.48	**17.5**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
2,2-Dichloropropane	mg/kg	*NES*	527	**527**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
2-Chlorotoluene	mg/kg	*NES*	907	**907**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
4-Chlorotoluene	mg/kg	*NES*	253	**253**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
Benzene	mg/kg	*0.0051*	1.6	**7.07**	<0.0273		<0.0250		<0.0398		<0.0253		<0.0250		<0.0405		<0.0258		<0.0378		<0.0300	
Bromobenzene	mg/kg	*NES*	354	**679**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
Bromodichloromethane	mg/kg	*0.0003*	0.39	**1.96**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Bromoform	mg/kg	*0.0023*	61.6	**218**	<0.681		<0.625		<0.994		<0.631		<0.625		<1.01		<0.644		<0.944		<0.750	
Bromomethane	mg/kg	*0.0051*	10.3	**46**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
Carbon Tetrachloride	mg/kg	*0.0039*	0.854	**4.25**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
Chlorobenzene	mg/kg	*NES*	392	**761**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Chlorodibromomethane	mg/kg	*0.032*	0.933	**4.4**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Chloroethane	mg/kg	*0.2266*	2120	**2120**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
Chloroform	mg/kg	*0.0033*	0.423	**2.13**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Chloromethane	mg/kg	*0.0155*	171	**720**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
cis-1,2-Dichloroethene (DCE)	mg/kg	*0.0412*	156	**2040**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		*0.163*		*0.264*		*0.145*		*0.0822*	
cis-1,3-Dichloropropene	mg/kg	*0.0003*	1220	**1220**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Dibromomethane	mg/kg	*NES*	35	**151**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
Diisopropyl Ether	mg/kg	*NES*	2260	**2260**	<0.0273		<0.0250		<0.0398		<0.0253		<0.0250		<0.0405		<0.0258		<0.0378		<0.0300	
Ethylbenzene	mg/kg	*1.57*	8.02	**35.4**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Fluorotrichloromethane	mg/kg	*4.469*	1120	**1230**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Hexachlorobutadiene	mg/kg	*NES*	6.23	**22.1**	<0.681		<0.625		<0.994		<0.631		<0.625		<1.01		<0.644		<0.944		<0.750	
Isopropylbenzene	mg/kg	*NES*	268	**268**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Methylene Chloride	mg/kg	*0.0026*	60.7	**1070**	<0.681		<0.625		<0.994		<0.631		<0.625		<1.01		<0.644		<0.944		<0.750	
Methyl-tert-butyl-ether (MTBE)	mg/kg	*0.027*	63.8	**282**	<0.0273		<0.0250		<0.0398		<0.0253		<0.0250		<0.0405		<0.0258		<0.0378		<0.0300	
Naphthalene	mg/kg	*0.658*	5.52	**24.1**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
n-Butylbenzene	mg/kg	*NES*	108	**108**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
n-Propylbenzene	mg/kg	*NES*	264	**264**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
p-Isopropyltoluene	mg/kg	*NES*	162	**162**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
sec-Butylbenzene	mg/kg	*NES*	145	**145**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
Styrene	mg/kg	*2.2*	867	**867**	<0.341		<0.313		<0.497		<0.316		<0.313		<0.506		<0.322		<0.472		<0.375	
tert-Butylbenzene	mg/kg	*NES*	183	**183**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
Tetrachloroethene (PCE)	mg/kg	*0.0045*	30.7	**153**	<0.0681		<0.0625		<0.0994		*0.0286*	J	<0.0625		<0.101		<0.0644		*0.0892*	J	*0.0597*	J
Toluene	mg/kg	*1.107*	818	**818**	<0.136		<0.125		<0.199		0.0343	J	<0.125		<0.203		<0.129		<0.189		<0.150	
trans-1,2-Dichloroethene (DCE)	mg/kg	*0.0588*	211	**976**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
trans-1,3-Dichloropropene	mg/kg	*0.0003*	1570	**1570**	<0.136		<0.125		<0.199		<0.126		<0.125		<0.203		<0.129		<0.189		<0.150	
Trichloroethene (TCE)	mg/kg	*0.0036*	0.644	**8.81**	1.04		*0.207*		*0.0783*		*0.167*		*0.0293*		1.44		3.55		**202**		**71.5**	
Vinyl Chloride	mg/kg	*0.0001*	0.067	**2.03**	<0.0681		<0.0625		<0.0994		<0.0631		<0.0625		<0.101		<0.0644		<0.0944		<0.0750	
Xylenes, Total	mg/kg	*3.96*	260	**260**	0.0321	J	<0.163		0.115	J	0.0693	J	<0.163		0.111	J	<0.167		0.0811	J	<0.195	

NOTES:

PID = organic vapor meter/photoionization detector

VOC = Volatile Organic Compound

ppm/v = parts per million per volume

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NES = no established standard

VOCs analyzed by USEPA Method 8260

C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C4: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

J: The identification of the analyte is acceptable; the reported value is an estimate.

J3: The associated batch QC was outside the established quality control range for precision.

J4: The associated batch QC was outside the established quality control range for accuracy

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

Red/Bold = Value exceeds Industrial direct contact RCL

Green/Underline = Value exceeds Non-Industrial direct contact RCL

Blue/Italic = Value exceeds groundwater pathway RCL

UPRR Superior Health Linens
Cudahy, WI
Table 1 - Soil VOC Results

Boring/Well Number		EPA Risk-Based Screening Level[1]			HA-17		HA-17		HA-18		HA-18		HA-19		HA-19		HA-20		HA-20	
Sample Name					SO-2812-HA17 (1-2)-151121		SO-2812-HA17 (3-4)-151121		SO-2812-HA18 (1-2)-151121		SO-2812-HA18 (3-4)-151121		SO-2812-HA19 (1-2)-151121		SO-2812-HA19 (3-4)-151121		SO-2812-HA20 (1-2)-151121		SO-2812-HA20 (3-4)-151121	
Sample Date					11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021		11/15/2021	
Sample Location/ Sample Depth	Units	Groundwater Pathway	Direct Contact Non-Industrial	Direct Contact Industrial	HA-17 (1-2 ft)		HA-17 (3-4 ft)		HA-18 (1-2 ft)		HA-18 (3-4 ft)		HA-19 (1-2 ft)		HA-19 (3-4 ft)		HA-20 (1-2 ft)		HA-20 (3-4 ft)	
PID	ppm/v																			
1,1,1,2-Tetrachloroethane	mg/kg	*53.3*	2590	**12900**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
1,1,1-Trichloroethane	mg/kg	*140.2*	640000	**640000**	<0.0781		<0.0625		0.314		0.0284	J	0.243		<0.0625		0.105		0.0361	J J3
1,1,2,2-Tetrachloroethane	mg/kg	*0.2*	753	**3690**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
1,1,2-Trichloroethane	mg/kg	*3.2*	1480	**7340**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
1,1-Dichloroethane	mg/kg	*483.6*	4720	**23700**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
1,1-Dichloroethene	mg/kg	*5*	342000	**1190000**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
1,1-Dichloropropene	mg/kg	*NES*	NES	**NES**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
1,2,3-Trichlorobenzene	mg/kg	*NES*	48900	**493000**	<0.391	C4	<0.313	C4	<0.409	C4	<0.331	C4	<0.497	C4	<0.313	C4	<0.506	C4	<0.328	C4
1,2,3-Trichloropropane	mg/kg	*52*	5	**95**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	
1,2,4-Trichlorobenzene	mg/kg	*408*	22100	**98700**	<0.391	C4	<0.313	C4	<0.409	C4	<0.331	C4	<0.497	C4	<0.313	C4	<0.506	C4	<0.328	
1,2,4-Trimethylbenzene	mg/kg	*1.379*	219	**219**	<0.156		<0.125		0.0852	J	<0.133		<0.199		<0.125		<0.203		<0.131	
1,2-Dibromo-3-chloropropane	mg/kg	*0.0002*	0.008	**0.099**	<0.781		<0.625		<0.819		<0.663		<0.994		<0.625		<1.01		<0.656	
1,2-Dibromoethane	mg/kg	*0.00003*	0.047	**0.23**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
1,2-Dichlorobenzene	mg/kg	*1.168*	376	**376**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	
1,2-Dichloroethane (1,2-DCA)	mg/kg	*0.0028*	0.608	**3.03**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
1,2-Dichloropropane	mg/kg	*0.0033*	1.33	**6.62**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	
1,3,5-Trimethylbenzene	mg/kg	*1.379*	182	**182**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3
1,3-Dichlorobenzene	mg/kg	*1.152*	297	**297**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	
1,3-Dichloropropane	mg/kg	*NES*	1490	**1490**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	
1,4-Dichlorobenzene	mg/kg	*0.144*	3.48	**17.5**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3
2,2-Dichloropropane	mg/kg	*NES*	527	**527**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
2-Chlorotoluene	mg/kg	*NES*	907	**907**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
4-Chlorotoluene	mg/kg	*NES*	253	**253**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3
Benzene	mg/kg	*0.0051*	1.6	**7.07**	<0.0313		<0.0250		0.0341		<0.0265		<0.0398		<0.0250		<0.0405		<0.0263	J3
Bromobenzene	mg/kg	*NES*	354	**679**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	
Bromodichloromethane	mg/kg	*0.0003*	0.39	**1.96**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
Bromoform	mg/kg	*0.0023*	61.6	**218**	<0.781		<0.625		<0.819		<0.663		<0.994		<0.625		<1.01		<0.656	
Bromomethane	mg/kg	*0.0051*	10.3	**46**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	J3
Carbon Tetrachloride	mg/kg	*0.0039*	0.854	**4.25**	<0.156		<0.125		0.0425	J	<0.133		<0.199		<0.125		<0.203		<0.131	J3
Chlorobenzene	mg/kg	*NES*	392	**761**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
Chlorodibromomethane	mg/kg	*0.032*	0.933	**4.4**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
Chloroethane	mg/kg	*0.2266*	2120	**2120**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3 J6
Chloroform	mg/kg	*0.0033*	0.423	**2.13**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
Chloromethane	mg/kg	*0.0155*	171	**720**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	J3
cis-1,2-Dichloroethene (DCE)	mg/kg	*0.0412*	156	**2040**	0.0249	J	<0.0625		0.0351	J	<0.0663		*0.0974*	J	<0.0625		<0.101		<0.0656	J3
cis-1,3-Dichloropropene	mg/kg	*0.0003*	1220	**1220**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	
Dibromomethane	mg/kg	*NES*	35	**151**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	
Diisopropyl Ether	mg/kg	*NES*	2260	**2260**	<0.0313		<0.0250		<0.0328		<0.0265		<0.0398		<0.0250		<0.0405		<0.0263	
Ethylbenzene	mg/kg	*1.57*	8.02	**35.4**	<0.0781		<0.0625		0.047	J	<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
Fluorotrichloromethane	mg/kg	*4.469*	1120	**1230**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
Hexachlorobutadiene	mg/kg	*NES*	6.23	**22.1**	<0.781		<0.625		<0.819		<0.663		<0.994		<0.625		<1.01		<0.656	J3
Isopropylbenzene	mg/kg	*NES*	268	**268**	<0.0781		<0.0625		0.0217	J	<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
Methylene Chloride	mg/kg	*0.0026*	60.7	**1070**	<0.781		<0.625		<0.819		<0.663		<0.994		<0.625		<1.01		<0.656	
Methyl-tert-butyl-ether (MTBE)	mg/kg	*0.027*	63.8	**282**	<0.0313		<0.0250		<0.0328		<0.0265		<0.0398		<0.0250		<0.0405		<0.0263	
Naphthalene	mg/kg	*0.658*	5.52	**24.1**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	
n-Butylbenzene	mg/kg	*NES*	108	**108**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	J3
n-Propylbenzene	mg/kg	*NES*	264	**264**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3
p-Isopropyltoluene	mg/kg	*NES*	162	**162**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3
sec-Butylbenzene	mg/kg	*NES*	145	**145**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	J3 J6
Styrene	mg/kg	*2.2*	867	**867**	<0.391		<0.313		<0.409		<0.331		<0.497		<0.313		<0.506		<0.328	
tert-Butylbenzene	mg/kg	*NES*	183	**183**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3
Tetrachloroethene (PCE)	mg/kg	*0.0045*	30.7	**153**	<0.0781		<0.0625		*0.0554*	J	<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
Toluene	mg/kg	*1.107*	818	**818**	<0.156		<0.125		0.208		<0.133		<0.199		<0.125		0.0554	J	<0.131	J3
trans-1,2-Dichloroethene (DCE)	mg/kg	*0.0588*	211	**976**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	J3
trans-1,3-Dichloropropene	mg/kg	*0.0003*	1570	**1570**	<0.156		<0.125		<0.164		<0.133		<0.199		<0.125		<0.203		<0.131	
Trichloroethene (TCE)	mg/kg	*0.0036*	0.644	**8.81**	1.62		0.14		**68.6**		8.01		3.38		*0.134*		**36.1**		**11.2**	
Vinyl Chloride	mg/kg	*0.0001*	0.067	**2.03**	<0.0781		<0.0625		<0.0819		<0.0663		<0.0994		<0.0625		<0.101		<0.0656	J3
Xylenes, Total	mg/kg	*3.96*	260	**260**	0.0358	J	<0.163		0.235		0.0317	J	<0.258		<0.163		0.115	J	0.0276	J

NOTES:

PID = organic vapor meter/photoionization detector

VOC = Volatile Organic Compound

ppm/v = parts per million per volume

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NES = no established standard

VOCs analyzed by USEPA Method 8260

C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C4: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

J: The identification of the analyte is acceptable; the reported value is an estimate.

J3: The associated batch QC was outside the established quality control range for precision.

J4: The associated batch QC was outside the established quality control range for accuracy

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

Red/Bold = Value exceeds Industrial direct contact RCL

Green/Underline = Value exceeds Non-Industrial direct contact RCL

Blue/Italic = Value exceeds groundwater pathway RCL

UPRR Superior Health Linens
Cudahy, WI
Table 1 - Soil VOC Results

Boring/Well Number		EPA Risk-Based Screening Level[1]			HA-21				HA-22								HA-23						HA-24			
Sample Name					SO-2812-HA21 (1-2)-151121		SO-2812-HA21 (3-4)-151121		SO-2812-HA22(1-2)-231121		SO-2812-HA22DUP-231121		SO-2812-HA22(3-4)-231121				SO-2812-HA23(1-2)-231121		SO-2812-HA23(3-4)-231121				SO-2812-HA24(1-2)-231121		SO-2812-HA24(3-4)-231121	
Sample Date					11/15/2021		11/15/2021		11/23/2021		11/23/2021		11/23/2021				11/23/2021		11/23/2021				11/23/2021		11/23/2021	
Sample Location/ Sample Depth	Units	Groundwater Pathway	Direct Contact Non-Industrial	Direct Contact Industrial	HA-21 (1-2 ft)		HA-21 (3-4 ft)		HA-22 (1-2 ft)		HA-22 (1-2 ft)		HA-22 (3-4 ft)				HA-23 (1-2 ft)		HA-23 (3-4 ft)				HA-24 (1-2 ft)		HA-24 (3-4 ft)	
PID	ppm/v																									
1,1,1,2-Tetrachloroethane	mg/kg	*53.3*	2590	**12900**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
1,1,1-Trichloroethane	mg/kg	*140.2*	640000	**640000**	0.21	J3	<0.0625		0.0383	J J3	0.036	J	<0.0731				0.203		0.211				<0.0807		<0.0735	
1,1,2,2-Tetrachloroethane	mg/kg	*0.2*	753	**3690**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731	C3			<0.115	C3	<0.115	C3			<0.0807	C3	<0.0735	C3
1,1,2-Trichloroethane	mg/kg	*3.2*	1480	**7340**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
1,1-Dichloroethane	mg/kg	*483.6*	4720	**23700**	<0.0963	J3	<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
1,1-Dichloroethene	mg/kg	*5*	342000	**1190000**	<0.0963	J3	<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
1,1-Dichloropropene	mg/kg	*NES*	NES	**NES**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
1,2,3-Trichlorobenzene	mg/kg	*NES*	48900	**493000**	<0.481	C4			<0.390	C4 J3	<0.429	C4	<0.366				<0.578		<0.573				<0.404		<0.368	
1,2,3-Trichloropropane	mg/kg	*52*	5	**95**	<0.481		<0.313		<0.390	J3	<0.429		<0.366				<0.578		<0.573				<0.404		<0.368	
1,2,4-Trichlorobenzene	mg/kg	*408*	22100	**98700**	<0.481		<0.313	J4C4	<0.390	C4 J3	<0.429	C4 J3	<0.366				<0.578		<0.573				<0.404		<0.368	
1,2,4-Trimethylbenzene	mg/kg	*1.379*	219	**219**	<0.193		<0.125		<0.156	J3	0.0549	J	<0.146				0.133	J	0.201	J			<0.162		<0.147	
1,2-Dibromo-3-chloropropane	mg/kg	*0.0002*	0.008	**0.099**	<0.963		<0.625		<0.779	J3	<0.856		<0.731				<1.15		<1.15				<0.807		<0.735	
1,2-Dibromoethane	mg/kg	*0.00003*	0.047	**0.23**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
1,2-Dichlorobenzene	mg/kg	*1.168*	376	**376**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
1,2-Dichloroethane (1,2-DCA)	mg/kg	*0.0028*	0.608	**3.03**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
1,2-Dichloropropane	mg/kg	*0.0033*	1.33	**6.62**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
1,3,5-Trimethylbenzene	mg/kg	*1.379*	182	**182**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		0.107	J			<0.162		<0.147	
1,3-Dichlorobenzene	mg/kg	*1.152*	297	**297**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
1,3-Dichloropropane	mg/kg	*NES*	1490	**1490**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
1,4-Dichlorobenzene	mg/kg	*0.144*	3.48	**17.5**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
2,2-Dichloropropane	mg/kg	*NES*	527	**527**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
2-Chlorotoluene	mg/kg	*NES*	907	**907**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
4-Chlorotoluene	mg/kg	*NES*	253	**253**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
Benzene	mg/kg	*0.0051*	1.6	**7.07**	<0.0385		<0.0250		<0.0311	J3	<0.0343		<0.0292				*0.0232*	J	<0.0459				<0.0323		<0.0294	
Bromobenzene	mg/kg	*NES*	354	**679**	<0.481		<0.313		<0.390	J3	<0.429		<0.366				<0.578		<0.573				<0.404		<0.368	
Bromodichloromethane	mg/kg	*0.0003*	0.39	**1.96**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Bromoform	mg/kg	*0.0023*	61.6	**218**	<0.963		<0.625		<0.779	C3 J3	<0.856	C3	<0.731				<1.15		<1.15				<0.807		<0.735	
Bromomethane	mg/kg	*0.0051*	10.3	**46**	<0.481		<0.313		<0.390	J3	<0.429	J3	<0.366				<0.578		<0.573				<0.404		<0.368	
Carbon Tetrachloride	mg/kg	*0.0039*	0.854	**4.25**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
Chlorobenzene	mg/kg	*NES*	392	**761**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Chlorodibromomethane	mg/kg	*0.032*	0.933	**4.4**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Chloroethane	mg/kg	*0.2266*	2120	**2120**	<0.193		<0.125		<0.156	J3	<0.171	J3	<0.146				<0.231		<0.229				<0.162		<0.147	
Chloroform	mg/kg	*0.0033*	0.423	**2.13**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Chloromethane	mg/kg	*0.0155*	171	**720**	<0.481		<0.313		<0.390	J3	<0.429		<0.366				<0.578		<0.573				<0.404		<0.368	
cis-1,2-Dichloroethene (DCE)	mg/kg	*0.0412*	156	**2040**	<0.0963		<0.0625		<0.0779	J3	*0.0319*	J	<0.0731				*0.0459*	J	*0.0475*	J			<0.0807		<0.0735	
cis-1,3-Dichloropropene	mg/kg	*0.0003*	1220	**1220**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Dibromomethane	mg/kg	*NES*	35	**151**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
Diisopropyl Ether	mg/kg	*NES*	2260	**2260**	<0.0385		<0.0250		<0.0311	J3	<0.0343		<0.0292				<0.0462		<0.0459				<0.0323		<0.0294	
Ethylbenzene	mg/kg	*1.57*	8.02	**35.4**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				0.0347	J	0.0413	J			<0.0807		<0.0735	
Fluorotrichloromethane	mg/kg	*4.469*	1120	**1230**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Hexachlorobutadiene	mg/kg	*NES*	6.23	**22.1**	<0.963		<0.625	C3	<0.779	J3	<0.856		<0.731	J4			<1.15	J4	<1.15	J4			<0.807	J4	<0.735	J4
Isopropylbenzene	mg/kg	*NES*	268	**268**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				0.0245	J	0.0305	J			<0.0807		<0.0735	
Methylene Chloride	mg/kg	*0.0026*	60.7	**1070**	<0.963		<0.625		<0.779		<0.856		<0.731				<1.15		<1.15				<0.807		<0.735	
Methyl-tert-butyl-ether (MTBE)	mg/kg	*0.027*	63.8	**282**	<0.0385		<0.0250		<0.0311	J3	<0.0343		<0.0292				<0.0462		<0.0459				<0.0323		<0.0294	
Naphthalene	mg/kg	*0.658*	5.52	**24.1**	<0.481		<0.313	C3	<0.390	J3	<0.429		<0.366				<0.578		<0.573				<0.404		<0.368	
n-Butylbenzene	mg/kg	*NES*	108	**108**	<0.481		<0.313		<0.390	J3	<0.429		<0.366				<0.578		<0.573				<0.404		<0.368	
n-Propylbenzene	mg/kg	*NES*	264	**264**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		0.0542	J			<0.162		<0.147	
p-Isopropyltoluene	mg/kg	*NES*	162	**162**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
sec-Butylbenzene	mg/kg	*NES*	145	**145**	<0.481		<0.313		<0.390	J3 J6	<0.429		<0.366				<0.578		<0.573				<0.404		<0.368	
Styrene	mg/kg	*2.2*	867	**867**	<0.481		<0.313		<0.390	J3	<0.429		<0.366				<0.578		<0.573				<0.404		<0.368	
tert-Butylbenzene	mg/kg	*NES*	183	**183**	<0.193		<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
Tetrachloroethene (PCE)	mg/kg	*0.0045*	30.7	**153**	<0.0963		<0.0625		<0.0779	J3	<0.0856		<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Toluene	mg/kg	*1.107*	818	**818**	<0.193		<0.125		<0.156	J3 J5	0.0724	J	<0.146				0.121	J	0.0925	J			<0.162		<0.147	
trans-1,2-Dichloroethene (DCE)	mg/kg	*0.0588*	211	**976**	<0.193	J3	<0.125		<0.156	J3	<0.171		<0.146				<0.231		<0.229				<0.162		<0.147	
trans-1,3-Dichloropropene	mg/kg	*0.0003*	1570	**1570**	<0.193		<0.125		<0.156	J3	<0.171	J3	<0.146				<0.231		<0.229				<0.162		<0.147	
Trichloroethene (TCE)	mg/kg	*0.0036*	0.644	**8.81**	**27.9**		2.28		0.497	J6	0.65		*0.0975*				**21.4**		**12.5**				*0.571*		*0.138*	
Vinyl Chloride	mg/kg	*0.0001*	0.067	**2.03**	<0.0963		<0.0625		<0.0779	J3	<0.0856	J3	<0.0731				<0.115		<0.115				<0.0807		<0.0735	
Xylenes, Total	mg/kg	*3.96*	260	**260**	0.0555	J	<0.163		0.0589	J J3	0.105	J	<0.191				0.256	J	0.372				0.0344	J	<0.192	

NOTES:

PID = organic vapor meter/photoionization detector

VOC = Volatile Organic Compound

ppm/v = parts per million per volume

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NES = no established standard

VOCs analyzed by USEPA Method 8260

C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C4: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

J: The identification of the analyte is acceptable; the reported value is an estimate.

J3: The associated batch QC was outside the established quality control range for precision.

J4: The associated batch QC was outside the established quality control range for accuracy

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

Red/Bold = Value exceeds Industrial direct contact RCL

Green/Underline = Value exceeds Non-Industrial direct contact RCL

Blue/Italic = Value exceeds groundwater pathway RCL

UPRR Superior Health Linens
Cudahy, WI
Table 1 - Soil VOC Results

Boring/Well Number		EPA Risk-Based Screening Level[1]			HA-25				HA-26				HA-27				HA-28			
Sample Name					SO-2812-HA25(1-2)-231121		SO-2812-HA25(3-4)-231121		SO-2812-HA26(1-2)-231121		SO-2812-HA26(3-4)-231121		SO-2812-HA27(1-2)-231121		SO-2812-HA27(3-4)-231121		SO-2812-HA28(1-2)-231121		SO-2812-HA28(3-4)-231121	
Sample Date					11/23/2021		11/23/2021		11/23/2021		11/23/2021		11/23/2021		11/23/2021		11/23/2021		11/23/2021	
Sample Location/ Sample Depth	Units	Groundwater Pathway	Direct Contact Non-Industrial	Direct Contact Industrial	HA-25 (1-2 ft)		HA-25 (3-4 ft)		HA-26 (1-2 ft)		HA-26 (3-4 ft)		HA-27 (1-2 ft)		HA-27 (3-4 ft)		HA-28 (1-2 ft)		HA-28 (3-4 ft)	
PID	ppm/v																			
1,1,1,2-Tetrachloroethane	mg/kg	*53.3*	2590	**12900**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,1,1-Trichloroethane	mg/kg	*140.2*	640000	**640000**	0.0487	J	<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,1,2,2-Tetrachloroethane	mg/kg	*0.2*	753	**3690**	<0.0877	C3	<0.0743	C3	<0.0773	C3	<0.0736	C3	<0.0755	C3	<0.0797	C3	<0.131	C3	<0.0749	C3
1,1,2-Trichloroethane	mg/kg	*3.2*	1480	**7340**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,1-Dichloroethane	mg/kg	*483.6*	4720	**23700**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,1-Dichloroethene	mg/kg	*5*	342000	**1190000**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,1-Dichloropropene	mg/kg	*NES*	NES	**NES**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,2,3-Trichlorobenzene	mg/kg	*NES*	48900	**493000**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
1,2,3-Trichloropropane	mg/kg	*52*	5	**95**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
1,2,4-Trichlorobenzene	mg/kg	*408*	22100	**98700**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
1,2,4-Trimethylbenzene	mg/kg	*1.379*	219	**219**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
1,2-Dibromo-3-chloropropane	mg/kg	*0.0002*	0.008	**0.099**	<0.877		<0.743		<0.773		<0.736		<0.755		<0.797		<1.31		<0.749	
1,2-Dibromoethane	mg/kg	*0.00003*	0.047	**0.23**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,2-Dichlorobenzene	mg/kg	*1.168*	376	**376**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
1,2-Dichloroethane (1,2-DCA)	mg/kg	*0.0028*	0.608	**3.03**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
1,2-Dichloropropane	mg/kg	*0.0033*	1.33	**6.62**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
1,3,5-Trimethylbenzene	mg/kg	*1.379*	182	**182**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
1,3-Dichlorobenzene	mg/kg	*1.152*	297	**297**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
1,3-Dichloropropane	mg/kg	*NES*	1490	**1490**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
1,4-Dichlorobenzene	mg/kg	*0.144*	3.48	**17.5**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
2,2-Dichloropropane	mg/kg	*NES*	527	**527**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
2-Chlorotoluene	mg/kg	*NES*	907	**907**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
4-Chlorotoluene	mg/kg	*NES*	253	**253**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
Benzene	mg/kg	*0.0051*	1.6	**7.07**	<0.0351		<0.0297		<0.0309		<0.0295		<0.0302		<0.0319		<0.0525		<0.0299	
Bromobenzene	mg/kg	*NES*	354	**679**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
Bromodichloromethane	mg/kg	*0.0003*	0.39	**1.96**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Bromoform	mg/kg	*0.0023*	61.6	**218**	<0.877		<0.743		<0.773		<0.736		<0.755		<0.797		<1.31		<0.749	
Bromomethane	mg/kg	*0.0051*	10.3	**46**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
Carbon Tetrachloride	mg/kg	*0.0039*	0.854	**4.25**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
Chlorobenzene	mg/kg	*NES*	392	**761**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Chlorodibromomethane	mg/kg	*0.032*	0.933	**4.4**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Chloroethane	mg/kg	*0.2266*	2120	**2120**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
Chloroform	mg/kg	*0.0033*	0.423	**2.13**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Chloromethane	mg/kg	*0.0155*	171	**720**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
cis-1,2-Dichloroethene (DCE)	mg/kg	*0.0412*	156	**2040**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
cis-1,3-Dichloropropene	mg/kg	*0.0003*	1220	**1220**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Dibromomethane	mg/kg	*NES*	35	**151**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
Diisopropyl Ether	mg/kg	*NES*	2260	**2260**	<0.0351		<0.0297		<0.0309		<0.0295		<0.0302		<0.0319		<0.0525		<0.0299	
Ethylbenzene	mg/kg	*1.57*	8.02	**35.4**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Fluorotrichloromethane	mg/kg	*4.469*	1120	**1230**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Hexachlorobutadiene	mg/kg	*NES*	6.23	**22.1**	<0.877	J4	<0.743	J4	<0.773	J4	<0.736	J4	<0.755	J4	<0.797	J4	<1.31	J4	<0.749	J4
Isopropylbenzene	mg/kg	*NES*	268	**268**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Methylene Chloride	mg/kg	*0.0026*	60.7	**1070**	<0.877		<0.743		<0.773		<0.736		<0.755		<0.797		<1.31		<0.749	
Methyl-tert-butyl-ether (MTBE)	mg/kg	*0.027*	63.8	**282**	<0.0351		<0.0297		<0.0309		<0.0295		<0.0302		<0.0319		<0.0525		<0.0299	
Naphthalene	mg/kg	*0.658*	5.52	**24.1**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
n-Butylbenzene	mg/kg	*NES*	108	**108**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
n-Propylbenzene	mg/kg	*NES*	264	**264**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
p-Isopropyltoluene	mg/kg	*NES*	162	**162**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
sec-Butylbenzene	mg/kg	*NES*	145	**145**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
Styrene	mg/kg	*2.2*	867	**867**	<0.438		<0.372		<0.387		<0.369		<0.378		<0.399		<0.656		<0.375	
tert-Butylbenzene	mg/kg	*NES*	183	**183**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
Tetrachloroethene (PCE)	mg/kg	*0.0045*	30.7	**153**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Toluene	mg/kg	*1.107*	818	**818**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
trans-1,2-Dichloroethene (DCE)	mg/kg	*0.0588*	211	**976**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
trans-1,3-Dichloropropene	mg/kg	*0.0003*	1570	**1570**	<0.176		<0.149		<0.155		<0.147		<0.151		<0.159		<0.262		<0.150	
Trichloroethene (TCE)	mg/kg	*0.0036*	0.644	**8.81**	*0.499*		<0.0297		<0.0309		<0.0295		<0.0302		<0.0319		<0.0525		<0.0299	
Vinyl Chloride	mg/kg	*0.0001*	0.067	**2.03**	<0.0877		<0.0743		<0.0773		<0.0736		<0.0755		<0.0797		<0.131		<0.0749	
Xylenes, Total	mg/kg	*3.96*	260	**260**	0.0489	J	<0.194		<0.202		<0.192		<0.197		<0.208		0.122	J	<0.195	

NOTES:

PID = organic vapor meter/photoionization detector

VOC = Volatile Organic Compound

ppm/v = parts per million per volume

mg/kg = milligrams per kilogram

RCL = Residual Contaminant Level

NES = no established standard

VOCs analyzed by USEPA Method 8260

C3: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

C4: The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.

J: The identification of the analyte is acceptable; the reported value is an estimate.

J3: The associated batch QC was outside the established quality control range for precision.

J4: The associated batch QC was outside the established quality control range for accuracy

J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low

Red/Bold = Value exceeds Industrial direct contact RCL

Green/Underline = Value exceeds Non-Industrial direct contact RCL

Blue/Italic = Value exceeds groundwater pathway RCL

UPRR Superior Health Linens
Cudahy, WI
Table 2 - Soil VOC TCLP Results

Sample Name Sample Date Sample Location/ Sample Depth	Units	Maximum Concentration of Contaminants for Toxicity Characteristic (mg/L)	SQ-2812-WC-20211210 12/10/2021 Composite[1]
Benzene	mg/L	*0.5*	<0.0500
Carbon Tetrachloride	mg/L	*0.5*	<0.0500
Chlorobenzene	mg/L	*100.0*	<0.0500
Chloroform	mg/L	*6.0*	<0.250
1,2-Dichloroethane (1,2-DCA)	mg/L	*0.5*	<0.0500
1,4-Dichlorobenzene	mg/L	*7.5*	<0.0500
1,1-Dichloroethene	mg/L	*0.7*	<0.0500
2-Butanol (MEK)	mg/L	*200.0*	<0.500
Tetrachloroethene (PCE)	mg/L	*0.7*	<0.0500
Trichloroethene (TCE)	mg/L	*0.5*	<0.0500
Vinyl Chloride	mg/L	*0.2*	<0.0500

NOTES:

VOC = Volatile Organic Compound

TCLP= Toxicity Characteristic Leaching Procedure

mg/L= milligrams per litre

VOCs analyzed by USEPA Method 8260D

1= Sample was a composite of soil selected from the HA-10 (0-1 ft), HA-16 (1-2 ft), and HA-21 (1-2ft) sample locations and depths.

Attachment 3
Analytical Reports

ANALYTICAL REPORT

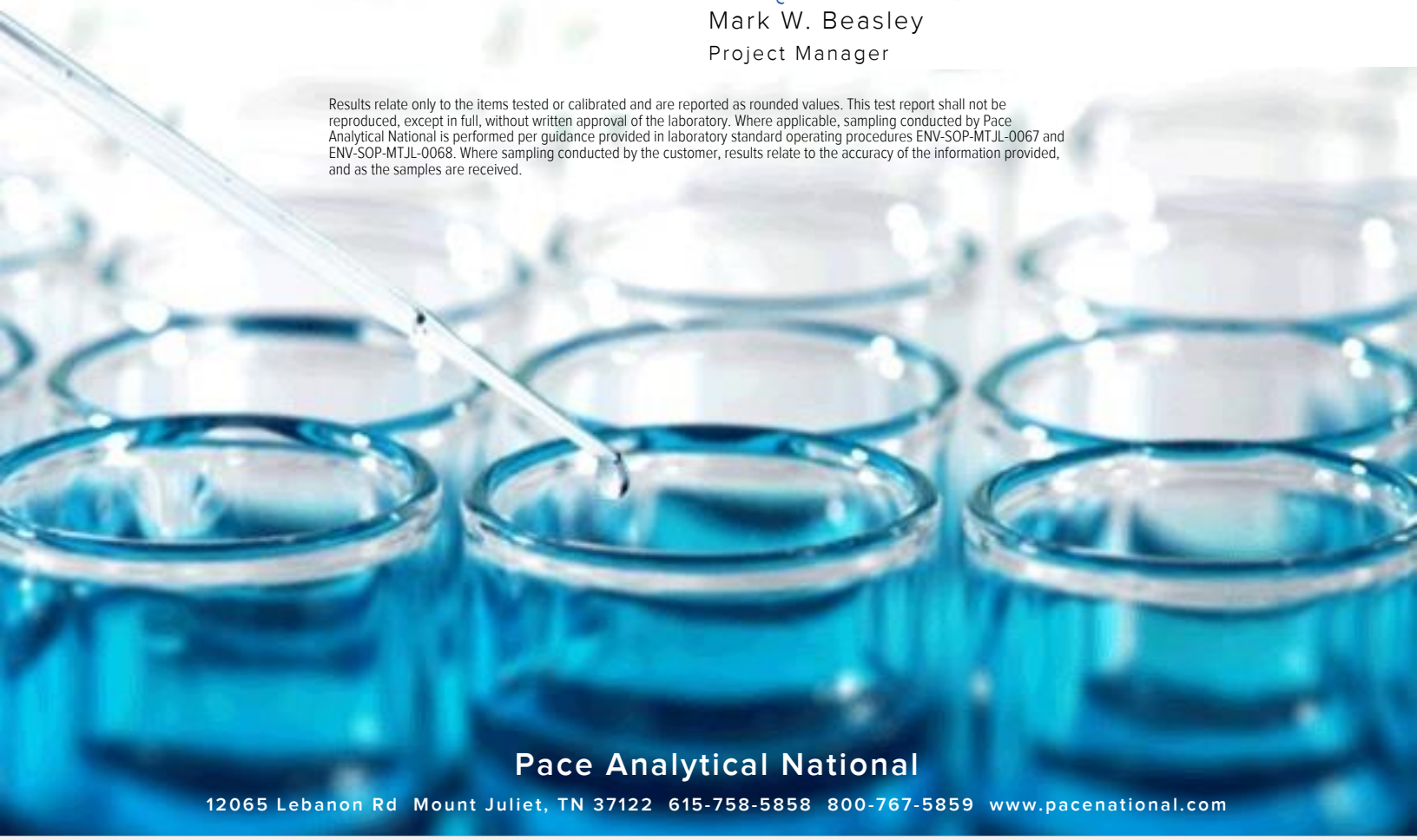
October 14, 2021

UPRR - Golder Associates

Sample Delivery Group:	L1413581
Samples Received:	10/05/2021
Project Number:	1384
Description:	Edgar WI-Denfeld Proposed Sale - Great Lakes Region
Site:	9/27/2021 SAMPLING EVENT
Report To:	Matthew Wilson 2201 Double Creek Dr., Ste 4004 Round Rock, TX 78664

Entire Report Reviewed By:

Mark W. Beasley
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 6

Sr: Sample Results 7

SO-1384-SB29 (2-4)-270921 L1413581-01 7

SO-1384-SB29 (0-2)-270921 L1413581-02 8

SO-1384-SB31 (0-0.5)-270921 L1413581-03 9

SO-1384-SB32 (0-2)-270921 L1413581-04 10

SO-1384-SB34 (0-1.5)-270921 L1413581-05 11

SO-1384-SB35 (0-0.5)-270921 L1413581-06 12

SO-1384-SB36 (0-0.5)-270921 L1413581-07 13

SO-1384-SB37 (0-0.5)-270921 L1413581-08 14

SO-1384-SB38 (0-0.5)-270921 L1413581-09 15

SO-1384-SB39 (0-0.5)-270921 L1413581-10 16

SO-1384-SB40 (0-0.5)-270921 L1413581-11 17

SO-1384-SB41 (0-0.5)-270921 L1413581-12 18

SO-1384-SB42 (0-0.5)-270921 L1413581-13 19

SO-1384-SB43 (0-0.5)-270921 L1413581-14 20

SO-1384-FDSB43 (0-0.5)-270921 L1413581-15 21

Qc: Quality Control Summary 22

Total Solids by Method 2540 G-2011 22

Metals (ICP) by Method 6010B 25

Gl: Glossary of Terms 26

Al: Accreditations & Locations 27

Sc: Sample Chain of Custody 28

SO-1384-SB29 (2-4)-270921 L1413581-01 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 12:50 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753876	1	10/09/21 17:50	10/09/21 18:15	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:00	CCE	Mt. Juliet, TN

SO-1384-SB29 (0-2)-270921 L1413581-02 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 12:20 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753876	1	10/09/21 17:50	10/09/21 18:15	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:02	CCE	Mt. Juliet, TN

SO-1384-SB31 (0-0.5)-270921 L1413581-03 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 15:45 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753876	1	10/09/21 17:50	10/09/21 18:15	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:05	CCE	Mt. Juliet, TN

SO-1384-SB32 (0-2)-270921 L1413581-04 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 16:05 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:13	CCE	Mt. Juliet, TN

SO-1384-SB34 (0-1.5)-270921 L1413581-05 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 16:35 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:15	CCE	Mt. Juliet, TN

SO-1384-SB35 (0-0.5)-270921 L1413581-06 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 13:15 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:18	CCE	Mt. Juliet, TN

SO-1384-SB36 (0-0.5)-270921 L1413581-07 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 13:30 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:20	CCE	Mt. Juliet, TN

SO-1384-SB37 (0-0.5)-270921 L1413581-08 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 13:45 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:23	CCE	Mt. Juliet, TN

SO-1384-SB38 (0-0.5)-270921 L1413581-09 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 14:00 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 05:47	CCE	Mt. Juliet, TN

SO-1384-SB39 (0-0.5)-270921 L1413581-10 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 14:15 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:26	CCE	Mt. Juliet, TN

SO-1384-SB40 (0-0.5)-270921 L1413581-11 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 14:30 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:28	CCE	Mt. Juliet, TN

SO-1384-SB41 (0-0.5)-270921 L1413581-12 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 14:40 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:31	CCE	Mt. Juliet, TN

SO-1384-SB42 (0-0.5)-270921 L1413581-13 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 15:05 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753878	1	10/09/21 17:24	10/09/21 17:48	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:34	CCE	Mt. Juliet, TN

SO-1384-SB43 (0-0.5)-270921 L1413581-14 Solid

Collected by: Ansel C. | Collected date/time: 09/27/21 15:25 | Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753879	1	10/08/21 13:45	10/08/21 13:58	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:37	CCE	Mt. Juliet, TN

SO-1384-FDSB43 (0-0.5)-270921 L1413581-15 Solid

Collected by: Ansel C.
Collected date/time: 09/27/21 15:25
Received date/time: 10/05/21 09:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1753879	1	10/08/21 13:45	10/08/21 13:58	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1755112	1	10/13/21 12:00	10/14/21 06:45	CCE	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.4		1	10/09/2021 18:15	WG1753876

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.51	J	0.669	2.24	1	10/14/2021 06:00	WG1755112
Lead	7.71		0.269	0.895	1	10/14/2021 06:00	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	65.4		1	10/09/2021 18:15	WG1753876

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.55	J	0.792	2.64	1	10/14/2021 06:02	WG1755112
Lead	19.0		0.318	1.06	1	10/14/2021 06:02	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.1		1	10/09/2021 18:15	WG1753876

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.88		0.631	2.11	1	10/14/2021 06:05	WG1755112
Lead	28.2		0.253	0.845	1	10/14/2021 06:05	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	61.9		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.09		0.837	2.79	1	10/14/2021 06:13	WG1755112
Lead	54.6		0.336	1.12	1	10/14/2021 06:13	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.4		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.14		0.652	2.18	1	10/14/2021 06:15	WG1755112
Lead	22.7		0.262	0.873	1	10/14/2021 06:15	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.1		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	8.64		0.581	1.94	1	10/14/2021 06:18	WG1755112
Lead	49.3		0.233	0.778	1	10/14/2021 06:18	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.5		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.97		0.566	1.89	1	10/14/2021 06:20	WG1755112
Lead	24.6		0.227	0.757	1	10/14/2021 06:20	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.5		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	25.7		0.628	2.10	1	10/14/2021 06:23	WG1755112
Lead	35.6		0.252	0.840	1	10/14/2021 06:23	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	28.6		0.674	2.25	1	10/14/2021 05:47	WG1755112
Lead	20.0		0.270	0.901	1	10/14/2021 05:47	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.66	J	0.622	2.08	1	10/14/2021 06:26	WG1755112
Lead	22.2		0.250	0.832	1	10/14/2021 06:26	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.8		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.09	J	0.649	2.17	1	10/14/2021 06:28	WG1755112
Lead	13.9		0.261	0.869	1	10/14/2021 06:28	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.0		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.70		0.729	2.44	1	10/14/2021 06:31	WG1755112
Lead	24.1		0.293	0.975	1	10/14/2021 06:31	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.9		1	10/09/2021 17:48	WG1753878

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.99	J	0.617	2.06	1	10/14/2021 06:34	WG1755112
Lead	44.0		0.248	0.826	1	10/14/2021 06:34	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.0		1	10/08/2021 13:58	WG1753879

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.40		0.582	1.94	1	10/14/2021 06:37	WG1755112
Lead	24.2		0.234	0.778	1	10/14/2021 06:37	WG1755112

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	10/08/2021 13:58	WG1753879

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.76		0.600	2.00	1	10/14/2021 06:45	WG1755112
Lead	21.7		0.241	0.803	1	10/14/2021 06:45	WG1755112

Method Blank (MB)

(MB) R3714633-1 10/09/21 18:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1413543-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1413543-15 10/09/21 18:15 • (DUP) R3714633-3 10/09/21 18:15

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.1	87.8	1	0.776		10

Laboratory Control Sample (LCS)

(LCS) R3714633-2 10/09/21 18:15

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	85.0-115	

Method Blank (MB)

(MB) R3714630-1 10/09/21 17:48

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1413581-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1413581-06 10/09/21 17:48 • (DUP) R3714630-3 10/09/21 17:48

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.1	89.4	1	0.300		10

Laboratory Control Sample (LCS)

(LCS) R3714630-2 10/09/21 17:48

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3714302-1 10/08/21 13:58

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1413587-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1413587-03 10/08/21 13:58 • (DUP) R3714302-3 10/08/21 13:58

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.2	84.7	1	0.634		10

Laboratory Control Sample (LCS)

(LCS) R3714302-2 10/08/21 13:58

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3716429-1 10/14/21 05:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	1.73
Lead	U		0.208	0.693

Laboratory Control Sample (LCS)

(LCS) R3716429-2 10/14/21 05:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	98.8	98.8	80.0-120	
Lead	100	101	101	80.0-120	

L1413581-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1413581-09 10/14/21 05:47 • (MS) R3716429-5 10/14/21 05:55 • (MSD) R3716429-6 10/14/21 05:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	130	22.0	121	104	99.3	82.3	1	75.0-125			15.0	20
Lead	130	15.4	117	103	102	87.8	1	75.0-125			12.7	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

UPRR_PEDD_1384_03_Rev0_20210923

E149

1 of 2

L1413581

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Golder - UPRR
Branch/Location:	Pewaukee
Project Contact:	Matthew Wilson
Phone:	262-212-4727
Project Number:	1384
Project Name:	UPRR Edgar, WI Denfeld
Project State:	Wisconsin
Sampled By (Print):	Ansel Chesney
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Matthew Wilson
Mail To Company:	Golder
Mail To Address:	1133 Quail Ct, Suite 115 Pewaukee, WI 53072
Invoice To Contact:	Nicole Petersburg
Invoice To Company:	UPRR
Invoice To Address:	1400 Douglas, St, Stop 1030 Omaha, NE 68179
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: Total Lead + Arsenic	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
-01	SO-1384-SB29(2-4)-270921	27-09-21	1250	S	N	A	✓			
-02	SO-1384-SB29(0-2)-270921	27-09-21	12:20	S			✓			
-03	SO-1384-SB31(0-0.5)-270921	27-09-21	15:45	S			✓	2jars		
-04	SO-1384-SB32(0-2)-270921	27-09-21	1605	S			✓			
-05	SO-1384-SB34(0-1.5)-270921	27-09-21	1635	S			✓			
-06	SO-1384-SB35(0-0.5)-270921	27-09-21	1315	S			✓	2jars		
-07	SO-1384-SB36(0-0.5)-270921	27-09-21	1330	S			✓	2jars		
-08	SO-1384-SB37(0-0.5)-270921	27-09-21	1345	S			✓	2jars		
-09	SO-1384-SB38(0-0.5)-270921	27-09-21	1400	S			✓	2jars		
-10	SO-1384-SB39(0-0.5)-270921	27-09-21	1415	S			✓	2jars		
-11	SO-1384-SB40(0-0.5)-270921	27-09-21	1430	S			✓	2jars		
-12	SO-1384-SB41(0-0.5)-270921	27-09-21	1440	S			✓	2jars		
-13	SO-1384-SB42(0-0.5)-270921	27-09-21	1505	S			✓	2jars		

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Ansel Chesney	2021-09-27 1930	Matthew Wilson	1930 2021-09-27
Matthew Wilson	2021-09-27 2130		

PACE Project No.

Receipt Temp = 1.7 +0 = 1.7 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

UPRR_PEDD_1384_03_Rev0_20210923

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

L1413581

(Please Print Clearly)	
Company Name:	Golder-UPRR
Branch/Location:	Pewaukee
Project Contact:	Matthew Wilson
Phone:	262-312-4727
Project Number:	1384
Project Name:	UPRR Edgar WI Derfeld
Project State:	Wisconsin
Sampled By (Print):	Angel Chesney
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Matthew Wilson
Mail To Company:	Golder
Mail To Address:	1133 Cameo Ct, Suite 115 Pewaukee, WI 53072
Invoice To Contact:	UPRR Kevin Peterson
Invoice To Company:	UPRR
Invoice To Address:	1400 Douglas St, Stop 1030 Omaha, NE 68179
Invoice To Phone:	

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: Total Lead+Arsenic	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
-14	SO-1384-SB43(0.0.5)-210924	27-09-21	1525	S	N	A	✓	2 Jars		
-15	SO-1384-FD SB43(0-0.5)-210924	27-09-21	1525	S	N	A	✓	2 Jars, field dup.		

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Angel Chesney	2021-09-27 1930	Matthew Wilson	2021-09-27 1930
Matthew Wilson	2021-10-03 1500		
		Thank	10/5/21 9:45

PACE Project No.

Receipt Temp = 1.7+0=1.7°C Acc #2

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 06/14/06

ORIGINAL

ANALYTICAL REPORT

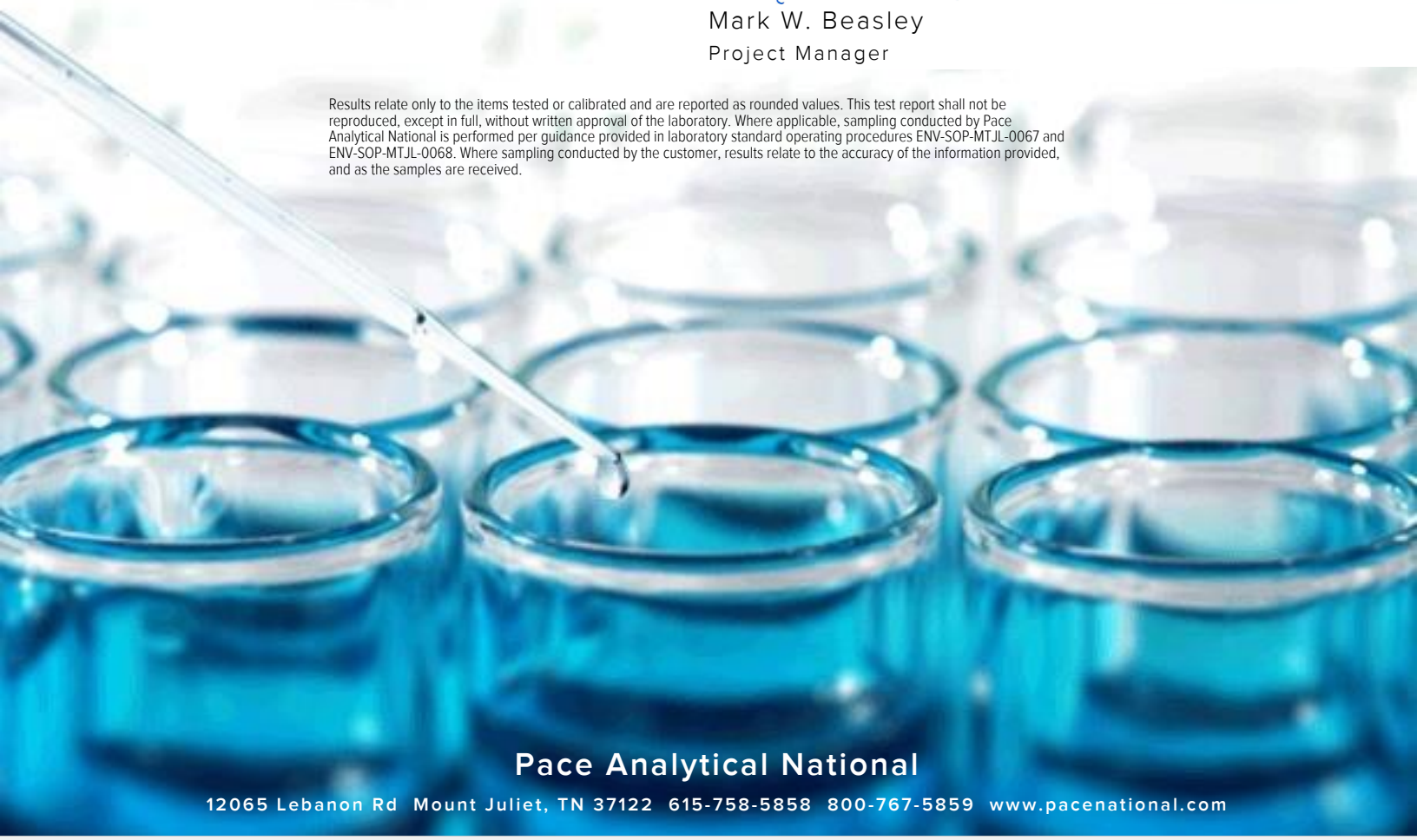
November 19, 2021

UPRR - Golder Associates

Sample Delivery Group:	L1431799
Samples Received:	11/16/2021
Project Number:	2812
Description:	Cudahy WI-Superior Health Linens
Site:	SUPPLEMENTARY EXCAVATION LIMIT
Report To:	Matthew Wilson 2201 Double Creek Dr., Ste 4004 Round Rock, TX 78664

Entire Report Reviewed By:

Mark W. Beasley
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 7

Sr: Sample Results 8

SO-2812-HA11 (1-2)-151121 L1431799-01 8

SQ-2812-HA11 DUP-151121 L1431799-02 10

SO-2812-HA11 (3-4)-151121 L1431799-03 12

SO-2812-HA12 (1-2)-151121 L1431799-04 14

SO-2812-HA12 (3-4)-151121 L1431799-05 16

SO-2812-HA13 (1-2)-151121 L1431799-06 18

SO-2812-HA14 (1-2)-151121 L1431799-07 20

SO-2812-HA14 (3-4)-151121 L1431799-08 22

SO-2812-HA15 (1-2)-151121 L1431799-09 24

SO-2812-HA15 (3-4)-151121 L1431799-10 26

SO-2812-HA16 (1-2)-151121 L1431799-11 28

SO-2812-HA16 (3-4)-151121 L1431799-12 30

SO-2812-HA17 (1-2)-151121 L1431799-13 32

SQ-2812-TB1-151121 L1431799-14 34

SQ-2812-HA20 DUP-151121 L1431799-15 36

SO-2812-HA17 (3-4)-151121 L1431799-16 38

SO-2812-HA18 (1-2)-151121 L1431799-17 40

SO-2812-HA18 (3-4)-151121 L1431799-18 42

SO-2812-HA19 (1-2)-151121 L1431799-19 44

SO-2812-HA19 (3-4)-151121 L1431799-20 46

SO-2812-HA20 (1-2)-151121 L1431799-21 48

SO-2812-HA20 (3-4)-151121 L1431799-22 50

SO-2812-HA21 (1-2)-151121 L1431799-23 52

SO-2812-HA21 (3-4)-151121 L1431799-24 54

SO-2812-TB2-151121 L1431799-25 56

Qc: Quality Control Summary 58

Total Solids by Method 2540 G-2011 58

Volatile Organic Compounds (GC/MS) by Method 8260D 61

Gl: Glossary of Terms 83

Al: Accreditations & Locations 84

Sc: Sample Chain of Custody 85

SO-2812-HA11 (1-2)-151121 L1431799-01 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 08:47 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775536	1	11/17/21 07:58	11/17/21 08:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.26	11/15/21 08:47	11/17/21 12:25	ACG	Mt. Juliet, TN

SQ-2812-HA11 DUP-151121 L1431799-02 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 08:47 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775536	1	11/17/21 07:58	11/17/21 08:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.21	11/15/21 08:47	11/17/21 12:44	KMC	Mt. Juliet, TN

SO-2812-HA11 (3-4)-151121 L1431799-03 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 08:58 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775536	1	11/17/21 07:58	11/17/21 08:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1	11/15/21 08:58	11/17/21 13:03	ACG	Mt. Juliet, TN

SO-2812-HA12 (1-2)-151121 L1431799-04 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 09:06 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775536	1	11/17/21 07:58	11/17/21 08:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.09	11/15/21 09:06	11/17/21 13:22	ACG	Mt. Juliet, TN

SO-2812-HA12 (3-4)-151121 L1431799-05 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 09:15 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775536	1	11/17/21 07:58	11/17/21 08:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1	11/15/21 09:15	11/17/21 13:41	ACG	Mt. Juliet, TN

SO-2812-HA13 (1-2)-151121 L1431799-06 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 09:25 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.59	11/15/21 09:25	11/17/21 13:59	ACG	Mt. Juliet, TN

SO-2812-HA14 (1-2)-151121 L1431799-07 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 09:50 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.01	11/15/21 09:50	11/17/21 14:18	ACG	Mt. Juliet, TN

SO-2812-HA14 (3-4)-151121 L1431799-08 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 10:00 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1	11/15/21 10:00	11/17/21 14:37	ACG	Mt. Juliet, TN

SO-2812-HA15 (1-2)-151121 L1431799-09 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 10:05 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.62	11/15/21 10:05	11/17/21 14:56	ACG	Mt. Juliet, TN

SO-2812-HA15 (3-4)-151121 L1431799-10 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 10:29 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.03	11/15/21 10:29	11/17/21 15:15	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	10.3	11/15/21 10:29	11/18/21 13:11	JHH	Mt. Juliet, TN

SO-2812-HA16 (1-2)-151121 L1431799-11 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 10:45 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.51	11/15/21 10:45	11/17/21 15:41	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	302	11/15/21 10:45	11/18/21 13:30	JHH	Mt. Juliet, TN

SO-2812-HA16 (3-4)-151121 L1431799-12 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 10:52 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.2	11/15/21 10:52	11/17/21 16:00	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	240	11/15/21 10:52	11/18/21 13:49	JHH	Mt. Juliet, TN

SO-2812-HA17 (1-2)-151121 L1431799-13 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 11:07 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.25	11/15/21 11:07	11/17/21 16:19	ACG	Mt. Juliet, TN

SQ-2812-TB1-151121 L1431799-14 GW

Collected by: Matthew Wilson | Collected date/time: 11/15/21 08:00 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775759	1	11/17/21 19:39	11/17/21 19:39	ADM	Mt. Juliet, TN

SQ-2812-HA20 DUP-151121 L1431799-15 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 13:00 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1	11/15/21 13:00	11/17/21 16:38	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	10	11/15/21 13:00	11/18/21 14:08	JHH	Mt. Juliet, TN

SO-2812-HA17 (3-4)-151121 L1431799-16 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 11:18 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775537	1	11/17/21 10:55	11/17/21 11:05	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1	11/15/21 11:18	11/17/21 16:57	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	1	11/15/21 11:18	11/18/21 12:52	JHH	Mt. Juliet, TN

SO-2812-HA18 (1-2)-151121 L1431799-17 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 11:31 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.31	11/15/21 11:31	11/17/21 17:16	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	131	11/15/21 11:31	11/18/21 14:26	JHH	Mt. Juliet, TN

SO-2812-HA18 (3-4)-151121 L1431799-18 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 11:40 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.06	11/15/21 11:40	11/17/21 17:34	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	21.2	11/15/21 11:40	11/18/21 14:45	JHH	Mt. Juliet, TN

SO-2812-HA19 (1-2)-151121 L1431799-19 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 12:30 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.59	11/15/21 12:30	11/17/21 17:53	ACG	Mt. Juliet, TN

SO-2812-HA19 (3-4)-151121 L1431799-20 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 12:35 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1	11/15/21 12:35	11/17/21 18:12	ACG	Mt. Juliet, TN

SO-2812-HA20 (1-2)-151121 L1431799-21 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 12:50 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775646	1.62	11/15/21 12:50	11/17/21 18:31	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776620	162	11/15/21 12:50	11/18/21 15:04	JHH	Mt. Juliet, TN

SO-2812-HA20 (3-4)-151121 L1431799-22 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 13:00 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775651	1.05	11/15/21 13:00	11/17/21 12:00	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776692	10.5	11/15/21 13:00	11/18/21 15:23	JAH	Mt. Juliet, TN

SO-2812-HA21 (1-2)-151121 L1431799-23 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 13:21 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775651	1.54	11/15/21 13:21	11/17/21 12:19	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776692	61.6	11/15/21 13:21	11/18/21 15:42	JAH	Mt. Juliet, TN

SO-2812-HA21 (3-4)-151121 L1431799-24 Solid

Collected by: Matthew Wilson | Collected date/time: 11/15/21 13:28 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1775538	1	11/17/21 11:25	11/17/21 11:39	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1776692	1	11/15/21 13:28	11/18/21 16:32	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1777156	1	11/15/21 13:28	11/19/21 10:30	JAH	Mt. Juliet, TN

SO-2812-TB2-151121 L1431799-25 GW

Collected by: Matthew Wilson | Collected date/time: 11/15/21 08:00 | Received date/time: 11/16/21 14:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1775759	1	11/17/21 20:00	11/17/21 20:00	ADM	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	11/17/2021 08:05	WG1775536

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.36	1.86	1.26	11/17/2021 12:25	WG1775646
Acrylonitrile	U		0.134	0.464	1.26	11/17/2021 12:25	WG1775646
Allyl chloride	U		0.149	0.929	1.26	11/17/2021 12:25	WG1775646
Benzene	U		0.0173	0.0371	1.26	11/17/2021 12:25	WG1775646
Bromobenzene	U		0.0335	0.464	1.26	11/17/2021 12:25	WG1775646
Bromodichloromethane	U		0.0269	0.0929	1.26	11/17/2021 12:25	WG1775646
Bromoform	U		0.0435	0.929	1.26	11/17/2021 12:25	WG1775646
Bromomethane	U		0.0732	0.464	1.26	11/17/2021 12:25	WG1775646
n-Butylbenzene	U		0.194	0.464	1.26	11/17/2021 12:25	WG1775646
sec-Butylbenzene	U		0.107	0.464	1.26	11/17/2021 12:25	WG1775646
tert-Butylbenzene	U		0.0724	0.186	1.26	11/17/2021 12:25	WG1775646
Carbon tetrachloride	U		0.0334	0.186	1.26	11/17/2021 12:25	WG1775646
Chlorobenzene	U		0.00780	0.0929	1.26	11/17/2021 12:25	WG1775646
Chlorodibromomethane	U		0.0227	0.0929	1.26	11/17/2021 12:25	WG1775646
Chloroethane	U		0.0632	0.186	1.26	11/17/2021 12:25	WG1775646
Chloroform	U		0.0382	0.0929	1.26	11/17/2021 12:25	WG1775646
Chloromethane	U		0.161	0.464	1.26	11/17/2021 12:25	WG1775646
2-Chlorotoluene	U		0.0321	0.0929	1.26	11/17/2021 12:25	WG1775646
4-Chlorotoluene	U		0.0167	0.186	1.26	11/17/2021 12:25	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.145	0.929	1.26	11/17/2021 12:25	WG1775646
1,2-Dibromoethane	U		0.0240	0.0929	1.26	11/17/2021 12:25	WG1775646
Dibromomethane	U		0.0278	0.186	1.26	11/17/2021 12:25	WG1775646
1,2-Dichlorobenzene	U		0.0158	0.186	1.26	11/17/2021 12:25	WG1775646
1,3-Dichlorobenzene	U		0.0223	0.186	1.26	11/17/2021 12:25	WG1775646
1,4-Dichlorobenzene	U		0.0260	0.186	1.26	11/17/2021 12:25	WG1775646
Dichlorodifluoromethane	U		0.0598	0.0929	1.26	11/17/2021 12:25	WG1775646
Dichlorofluoromethane	U		0.0464	0.0929	1.26	11/17/2021 12:25	WG1775646
1,1-Dichloroethane	U		0.0183	0.0929	1.26	11/17/2021 12:25	WG1775646
1,2-Dichloroethane	U		0.0240	0.0929	1.26	11/17/2021 12:25	WG1775646
1,1-Dichloroethene	U		0.0225	0.0929	1.26	11/17/2021 12:25	WG1775646
cis-1,2-Dichloroethene	U		0.0272	0.0929	1.26	11/17/2021 12:25	WG1775646
trans-1,2-Dichloroethene	U		0.0387	0.186	1.26	11/17/2021 12:25	WG1775646
1,2-Dichloropropane	U		0.0527	0.186	1.26	11/17/2021 12:25	WG1775646
1,1-Dichloropropene	U		0.0301	0.0929	1.26	11/17/2021 12:25	WG1775646
1,3-Dichloropropane	U		0.0186	0.186	1.26	11/17/2021 12:25	WG1775646
cis-1,3-Dichloropropene	U		0.0281	0.0929	1.26	11/17/2021 12:25	WG1775646
trans-1,3-Dichloropropene	U		0.0423	0.186	1.26	11/17/2021 12:25	WG1775646
2,2-Dichloropropane	U		0.0513	0.0929	1.26	11/17/2021 12:25	WG1775646
Di-isopropyl ether	U		0.0152	0.0371	1.26	11/17/2021 12:25	WG1775646
Ethylbenzene	U		0.0273	0.0929	1.26	11/17/2021 12:25	WG1775646
Ethyl ether	U		0.0331	0.0929	1.26	11/17/2021 12:25	WG1775646
Hexachloro-1,3-butadiene	U		0.223	0.929	1.26	11/17/2021 12:25	WG1775646
2-Hexanone	U		0.125	0.929	1.26	11/17/2021 12:25	WG1775646
Isopropylbenzene	U		0.0158	0.0929	1.26	11/17/2021 12:25	WG1775646
p-Isopropyltoluene	U		0.0946	0.186	1.26	11/17/2021 12:25	WG1775646
2-Butanone (MEK)	U		2.36	3.71	1.26	11/17/2021 12:25	WG1775646
Methylene Chloride	U		0.246	0.929	1.26	11/17/2021 12:25	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0846	0.929	1.26	11/17/2021 12:25	WG1775646
Methyl tert-butyl ether	U		0.0130	0.0371	1.26	11/17/2021 12:25	WG1775646
Naphthalene	U		0.182	0.464	1.26	11/17/2021 12:25	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0352	0.186	1.26	11/17/2021 12:25	WG1775646
Styrene	U		0.00850	0.464	1.26	11/17/2021 12:25	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0352	0.0929	1.26	11/17/2021 12:25	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0258	0.0929	1.26	11/17/2021 12:25	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0281	0.0929	1.26	11/17/2021 12:25	WG1775646
Tetrachloroethene	U		0.0332	0.0929	1.26	11/17/2021 12:25	WG1775646
Tetrahydrofuran	U		0.131	0.464	1.26	11/17/2021 12:25	WG1775646
Toluene	U		0.0482	0.186	1.26	11/17/2021 12:25	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.272	0.464	1.26	11/17/2021 12:25	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.164	0.464	1.26	11/17/2021 12:25	WG1775646
1,1,1-Trichloroethane	U		0.0343	0.0929	1.26	11/17/2021 12:25	WG1775646
1,1,2-Trichloroethane	U		0.0222	0.0929	1.26	11/17/2021 12:25	WG1775646
Trichloroethene	0.0719		0.0217	0.0371	1.26	11/17/2021 12:25	WG1775646
Trichlorofluoromethane	U		0.0308	0.0929	1.26	11/17/2021 12:25	WG1775646
1,2,3-Trichloropropane	U		0.0601	0.464	1.26	11/17/2021 12:25	WG1775646
1,2,4-Trimethylbenzene	0.136	J	0.0587	0.186	1.26	11/17/2021 12:25	WG1775646
1,2,3-Trimethylbenzene	0.0817	J	0.0587	0.186	1.26	11/17/2021 12:25	WG1775646
1,3,5-Trimethylbenzene	U		0.0743	0.186	1.26	11/17/2021 12:25	WG1775646
Vinyl chloride	U		0.0430	0.0929	1.26	11/17/2021 12:25	WG1775646
Xylenes, Total	0.0875	J	0.0326	0.242	1.26	11/17/2021 12:25	WG1775646
(S) Toluene-d8	*110*			*75.0-131*		*11/17/2021 12:25*	WG1775646
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*11/17/2021 12:25*	WG1775646
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*11/17/2021 12:25*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.0		1	11/17/2021 08:05	WG1775536

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.25	1.72	1.21	11/17/2021 12:44	WG1775646
Acrylonitrile	U		0.124	0.430	1.21	11/17/2021 12:44	WG1775646
Allyl chloride	U		0.138	0.859	1.21	11/17/2021 12:44	WG1775646
Benzene	U		0.0160	0.0344	1.21	11/17/2021 12:44	WG1775646
Bromobenzene	U		0.0309	0.430	1.21	11/17/2021 12:44	WG1775646
Bromodichloromethane	U		0.0249	0.0859	1.21	11/17/2021 12:44	WG1775646
Bromoform	U		0.0402	0.859	1.21	11/17/2021 12:44	WG1775646
Bromomethane	U		0.0677	0.430	1.21	11/17/2021 12:44	WG1775646
n-Butylbenzene	U		0.181	0.430	1.21	11/17/2021 12:44	WG1775646
sec-Butylbenzene	U		0.0990	0.430	1.21	11/17/2021 12:44	WG1775646
tert-Butylbenzene	U		0.0670	0.172	1.21	11/17/2021 12:44	WG1775646
Carbon tetrachloride	U		0.0309	0.172	1.21	11/17/2021 12:44	WG1775646
Chlorobenzene	U		0.00722	0.0859	1.21	11/17/2021 12:44	WG1775646
Chlorodibromomethane	U		0.0210	0.0859	1.21	11/17/2021 12:44	WG1775646
Chloroethane	U		0.0584	0.172	1.21	11/17/2021 12:44	WG1775646
Chloroform	U		0.0355	0.0859	1.21	11/17/2021 12:44	WG1775646
Chloromethane	U		0.150	0.430	1.21	11/17/2021 12:44	WG1775646
2-Chlorotoluene	U		0.0298	0.0859	1.21	11/17/2021 12:44	WG1775646
4-Chlorotoluene	U		0.0155	0.172	1.21	11/17/2021 12:44	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.134	0.859	1.21	11/17/2021 12:44	WG1775646
1,2-Dibromoethane	U		0.0223	0.0859	1.21	11/17/2021 12:44	WG1775646
Dibromomethane	U		0.0258	0.172	1.21	11/17/2021 12:44	WG1775646
1,2-Dichlorobenzene	U		0.0147	0.172	1.21	11/17/2021 12:44	WG1775646
1,3-Dichlorobenzene	U		0.0207	0.172	1.21	11/17/2021 12:44	WG1775646
1,4-Dichlorobenzene	U		0.0241	0.172	1.21	11/17/2021 12:44	WG1775646
Dichlorodifluoromethane	U		0.0553	0.0859	1.21	11/17/2021 12:44	WG1775646
Dichlorofluoromethane	U		0.0430	0.0859	1.21	11/17/2021 12:44	WG1775646
1,1-Dichloroethane	U		0.0169	0.0859	1.21	11/17/2021 12:44	WG1775646
1,2-Dichloroethane	U		0.0223	0.0859	1.21	11/17/2021 12:44	WG1775646
1,1-Dichloroethene	U		0.0208	0.0859	1.21	11/17/2021 12:44	WG1775646
cis-1,2-Dichloroethene	U		0.0252	0.0859	1.21	11/17/2021 12:44	WG1775646
trans-1,2-Dichloroethene	U		0.0358	0.172	1.21	11/17/2021 12:44	WG1775646
1,2-Dichloropropane	U		0.0489	0.172	1.21	11/17/2021 12:44	WG1775646
1,1-Dichloropropene	U		0.0278	0.0859	1.21	11/17/2021 12:44	WG1775646
1,3-Dichloropropane	U		0.0173	0.172	1.21	11/17/2021 12:44	WG1775646
cis-1,3-Dichloropropene	U		0.0260	0.0859	1.21	11/17/2021 12:44	WG1775646
trans-1,3-Dichloropropene	U		0.0392	0.172	1.21	11/17/2021 12:44	WG1775646
2,2-Dichloropropane	U		0.0474	0.0859	1.21	11/17/2021 12:44	WG1775646
Di-isopropyl ether	U		0.0141	0.0344	1.21	11/17/2021 12:44	WG1775646
Ethylbenzene	U		0.0253	0.0859	1.21	11/17/2021 12:44	WG1775646
Ethyl ether	U		0.0307	0.0859	1.21	11/17/2021 12:44	WG1775646
Hexachloro-1,3-butadiene	U		0.207	0.859	1.21	11/17/2021 12:44	WG1775646
2-Hexanone	U		0.116	0.859	1.21	11/17/2021 12:44	WG1775646
Isopropylbenzene	U		0.0147	0.0859	1.21	11/17/2021 12:44	WG1775646
p-Isopropyltoluene	U		0.0876	0.172	1.21	11/17/2021 12:44	WG1775646
2-Butanone (MEK)	U		2.18	3.44	1.21	11/17/2021 12:44	WG1775646
Methylene Chloride	U		0.228	0.859	1.21	11/17/2021 12:44	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0784	0.859	1.21	11/17/2021 12:44	WG1775646
Methyl tert-butyl ether	U		0.0120	0.0344	1.21	11/17/2021 12:44	WG1775646
Naphthalene	U		0.168	0.430	1.21	11/17/2021 12:44	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0326	0.172	1.21	11/17/2021 12:44	WG1775646
Styrene	U		0.00788	0.430	1.21	11/17/2021 12:44	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0326	0.0859	1.21	11/17/2021 12:44	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0239	0.0859	1.21	11/17/2021 12:44	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0259	0.0859	1.21	11/17/2021 12:44	WG1775646
Tetrachloroethene	U		0.0308	0.0859	1.21	11/17/2021 12:44	WG1775646
Tetrahydrofuran	U		0.120	0.430	1.21	11/17/2021 12:44	WG1775646
Toluene	0.0643	J	0.0447	0.172	1.21	11/17/2021 12:44	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.252	0.430	1.21	11/17/2021 12:44	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.151	0.430	1.21	11/17/2021 12:44	WG1775646
1,1,1-Trichloroethane	U		0.0317	0.0859	1.21	11/17/2021 12:44	WG1775646
1,1,2-Trichloroethane	U		0.0206	0.0859	1.21	11/17/2021 12:44	WG1775646
Trichloroethene	0.0919		0.0201	0.0344	1.21	11/17/2021 12:44	WG1775646
Trichlorofluoromethane	U		0.0284	0.0859	1.21	11/17/2021 12:44	WG1775646
1,2,3-Trichloropropane	U		0.0557	0.430	1.21	11/17/2021 12:44	WG1775646
1,2,4-Trimethylbenzene	U		0.0543	0.172	1.21	11/17/2021 12:44	WG1775646
1,2,3-Trimethylbenzene	U		0.0543	0.172	1.21	11/17/2021 12:44	WG1775646
1,3,5-Trimethylbenzene	U		0.0688	0.172	1.21	11/17/2021 12:44	WG1775646
Vinyl chloride	U		0.0399	0.0859	1.21	11/17/2021 12:44	WG1775646
Xylenes, Total	0.0988	J	0.0302	0.224	1.21	11/17/2021 12:44	WG1775646
(S) Toluene-d8	*116*			*75.0-131*		*11/17/2021 12:44*	WG1775646
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*11/17/2021 12:44*	WG1775646
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*11/17/2021 12:44*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	11/17/2021 08:05	WG1775536

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.06	1.45	1	11/17/2021 13:03	WG1775646
Acrylonitrile	U		0.104	0.362	1	11/17/2021 13:03	WG1775646
Allyl chloride	U		0.116	0.723	1	11/17/2021 13:03	WG1775646
Benzene	U		0.0135	0.0289	1	11/17/2021 13:03	WG1775646
Bromobenzene	U		0.0260	0.362	1	11/17/2021 13:03	WG1775646
Bromodichloromethane	U		0.0209	0.0723	1	11/17/2021 13:03	WG1775646
Bromoform	U		0.0339	0.723	1	11/17/2021 13:03	WG1775646
Bromomethane	U		0.0570	0.362	1	11/17/2021 13:03	WG1775646
n-Butylbenzene	U		0.151	0.362	1	11/17/2021 13:03	WG1775646
sec-Butylbenzene	U		0.0832	0.362	1	11/17/2021 13:03	WG1775646
tert-Butylbenzene	U		0.0564	0.145	1	11/17/2021 13:03	WG1775646
Carbon tetrachloride	U		0.0260	0.145	1	11/17/2021 13:03	WG1775646
Chlorobenzene	U		0.00607	0.0723	1	11/17/2021 13:03	WG1775646
Chlorodibromomethane	U		0.0177	0.0723	1	11/17/2021 13:03	WG1775646
Chloroethane	U		0.0491	0.145	1	11/17/2021 13:03	WG1775646
Chloroform	U		0.0298	0.0723	1	11/17/2021 13:03	WG1775646
Chloromethane	U		0.126	0.362	1	11/17/2021 13:03	WG1775646
2-Chlorotoluene	U		0.0250	0.0723	1	11/17/2021 13:03	WG1775646
4-Chlorotoluene	U		0.0131	0.145	1	11/17/2021 13:03	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.113	0.723	1	11/17/2021 13:03	WG1775646
1,2-Dibromoethane	U		0.0187	0.0723	1	11/17/2021 13:03	WG1775646
Dibromomethane	U		0.0217	0.145	1	11/17/2021 13:03	WG1775646
1,2-Dichlorobenzene	U		0.0123	0.145	1	11/17/2021 13:03	WG1775646
1,3-Dichlorobenzene	U		0.0173	0.145	1	11/17/2021 13:03	WG1775646
1,4-Dichlorobenzene	U		0.0202	0.145	1	11/17/2021 13:03	WG1775646
Dichlorodifluoromethane	U		0.0466	0.0723	1	11/17/2021 13:03	WG1775646
Dichlorofluoromethane	U		0.0362	0.0723	1	11/17/2021 13:03	WG1775646
1,1-Dichloroethane	U		0.0142	0.0723	1	11/17/2021 13:03	WG1775646
1,2-Dichloroethane	U		0.0187	0.0723	1	11/17/2021 13:03	WG1775646
1,1-Dichloroethene	U		0.0176	0.0723	1	11/17/2021 13:03	WG1775646
cis-1,2-Dichloroethene	U		0.0213	0.0723	1	11/17/2021 13:03	WG1775646
trans-1,2-Dichloroethene	U		0.0301	0.145	1	11/17/2021 13:03	WG1775646
1,2-Dichloropropane	U		0.0410	0.145	1	11/17/2021 13:03	WG1775646
1,1-Dichloropropene	U		0.0234	0.0723	1	11/17/2021 13:03	WG1775646
1,3-Dichloropropane	U		0.0145	0.145	1	11/17/2021 13:03	WG1775646
cis-1,3-Dichloropropene	U		0.0219	0.0723	1	11/17/2021 13:03	WG1775646
trans-1,3-Dichloropropene	U		0.0329	0.145	1	11/17/2021 13:03	WG1775646
2,2-Dichloropropane	U		0.0399	0.0723	1	11/17/2021 13:03	WG1775646
Di-isopropyl ether	U		0.0119	0.0289	1	11/17/2021 13:03	WG1775646
Ethylbenzene	U		0.0213	0.0723	1	11/17/2021 13:03	WG1775646
Ethyl ether	U		0.0258	0.0723	1	11/17/2021 13:03	WG1775646
Hexachloro-1,3-butadiene	U		0.173	0.723	1	11/17/2021 13:03	WG1775646
2-Hexanone	U		0.0971	0.723	1	11/17/2021 13:03	WG1775646
Isopropylbenzene	U		0.0123	0.0723	1	11/17/2021 13:03	WG1775646
p-Isopropyltoluene	U		0.0738	0.145	1	11/17/2021 13:03	WG1775646
2-Butanone (MEK)	U		1.84	2.89	1	11/17/2021 13:03	WG1775646
Methylene Chloride	U		0.192	0.723	1	11/17/2021 13:03	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0659	0.723	1	11/17/2021 13:03	WG1775646
Methyl tert-butyl ether	U		0.0101	0.0289	1	11/17/2021 13:03	WG1775646
Naphthalene	U		0.141	0.362	1	11/17/2021 13:03	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0275	0.145	1	11/17/2021 13:03	WG1775646
Styrene	U		0.00662	0.362	1	11/17/2021 13:03	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0274	0.0723	1	11/17/2021 13:03	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0201	0.0723	1	11/17/2021 13:03	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0219	0.0723	1	11/17/2021 13:03	WG1775646
Tetrachloroethene	U		0.0259	0.0723	1	11/17/2021 13:03	WG1775646
Tetrahydrofuran	U		0.102	0.362	1	11/17/2021 13:03	WG1775646
Toluene	U		0.0376	0.145	1	11/17/2021 13:03	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.212	0.362	1	11/17/2021 13:03	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.127	0.362	1	11/17/2021 13:03	WG1775646
1,1,1-Trichloroethane	U		0.0267	0.0723	1	11/17/2021 13:03	WG1775646
1,1,2-Trichloroethane	U		0.0172	0.0723	1	11/17/2021 13:03	WG1775646
Trichloroethene	0.0746		0.0169	0.0289	1	11/17/2021 13:03	WG1775646
Trichlorofluoromethane	U		0.0239	0.0723	1	11/17/2021 13:03	WG1775646
1,2,3-Trichloropropane	U		0.0468	0.362	1	11/17/2021 13:03	WG1775646
1,2,4-Trimethylbenzene	U		0.0457	0.145	1	11/17/2021 13:03	WG1775646
1,2,3-Trimethylbenzene	U		0.0457	0.145	1	11/17/2021 13:03	WG1775646
1,3,5-Trimethylbenzene	U		0.0578	0.145	1	11/17/2021 13:03	WG1775646
Vinyl chloride	U		0.0335	0.0723	1	11/17/2021 13:03	WG1775646
Xylenes, Total	U		0.0254	0.188	1	11/17/2021 13:03	WG1775646
(S) Toluene-d8	*112*			*75.0-131*		*11/17/2021 13:03*	WG1775646
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/17/2021 13:03*	WG1775646
(S) 1,2-Dichloroethane-d4	*98.1*			*70.0-130*		*11/17/2021 13:03*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.1		1	11/17/2021 08:05	WG1775536

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.17	1.60	1.09	11/17/2021 13:22	WG1775646
Acrylonitrile	U		0.116	0.401	1.09	11/17/2021 13:22	WG1775646
Allyl chloride	U		0.128	0.800	1.09	11/17/2021 13:22	WG1775646
Benzene	U		0.0149	0.0321	1.09	11/17/2021 13:22	WG1775646
Bromobenzene	U		0.0288	0.401	1.09	11/17/2021 13:22	WG1775646
Bromodichloromethane	U		0.0233	0.0800	1.09	11/17/2021 13:22	WG1775646
Bromoform	U		0.0375	0.800	1.09	11/17/2021 13:22	WG1775646
Bromomethane	U		0.0631	0.401	1.09	11/17/2021 13:22	WG1775646
n-Butylbenzene	U		0.168	0.401	1.09	11/17/2021 13:22	WG1775646
sec-Butylbenzene	U		0.0923	0.401	1.09	11/17/2021 13:22	WG1775646
tert-Butylbenzene	U		0.0624	0.160	1.09	11/17/2021 13:22	WG1775646
Carbon tetrachloride	U		0.0288	0.160	1.09	11/17/2021 13:22	WG1775646
Chlorobenzene	U		0.00672	0.0800	1.09	11/17/2021 13:22	WG1775646
Chlorodibromomethane	U		0.0196	0.0800	1.09	11/17/2021 13:22	WG1775646
Chloroethane	U		0.0544	0.160	1.09	11/17/2021 13:22	WG1775646
Chloroform	U		0.0330	0.0800	1.09	11/17/2021 13:22	WG1775646
Chloromethane	U		0.140	0.401	1.09	11/17/2021 13:22	WG1775646
2-Chlorotoluene	U		0.0277	0.0800	1.09	11/17/2021 13:22	WG1775646
4-Chlorotoluene	U		0.0145	0.160	1.09	11/17/2021 13:22	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.125	0.800	1.09	11/17/2021 13:22	WG1775646
1,2-Dibromoethane	U		0.0208	0.0800	1.09	11/17/2021 13:22	WG1775646
Dibromomethane	U		0.0240	0.160	1.09	11/17/2021 13:22	WG1775646
1,2-Dichlorobenzene	U		0.0136	0.160	1.09	11/17/2021 13:22	WG1775646
1,3-Dichlorobenzene	U		0.0193	0.160	1.09	11/17/2021 13:22	WG1775646
1,4-Dichlorobenzene	U		0.0224	0.160	1.09	11/17/2021 13:22	WG1775646
Dichlorodifluoromethane	U		0.0516	0.0800	1.09	11/17/2021 13:22	WG1775646
Dichlorofluoromethane	U		0.0401	0.0800	1.09	11/17/2021 13:22	WG1775646
1,1-Dichloroethane	U		0.0157	0.0800	1.09	11/17/2021 13:22	WG1775646
1,2-Dichloroethane	U		0.0208	0.0800	1.09	11/17/2021 13:22	WG1775646
1,1-Dichloroethene	U		0.0194	0.0800	1.09	11/17/2021 13:22	WG1775646
cis-1,2-Dichloroethene	U		0.0235	0.0800	1.09	11/17/2021 13:22	WG1775646
trans-1,2-Dichloroethene	U		0.0333	0.160	1.09	11/17/2021 13:22	WG1775646
1,2-Dichloropropane	U		0.0455	0.160	1.09	11/17/2021 13:22	WG1775646
1,1-Dichloropropene	U		0.0259	0.0800	1.09	11/17/2021 13:22	WG1775646
1,3-Dichloropropane	U		0.0161	0.160	1.09	11/17/2021 13:22	WG1775646
cis-1,3-Dichloropropene	U		0.0242	0.0800	1.09	11/17/2021 13:22	WG1775646
trans-1,3-Dichloropropene	U		0.0366	0.160	1.09	11/17/2021 13:22	WG1775646
2,2-Dichloropropane	U		0.0442	0.0800	1.09	11/17/2021 13:22	WG1775646
Di-isopropyl ether	U		0.0132	0.0321	1.09	11/17/2021 13:22	WG1775646
Ethylbenzene	U		0.0236	0.0800	1.09	11/17/2021 13:22	WG1775646
Ethyl ether	U		0.0286	0.0800	1.09	11/17/2021 13:22	WG1775646
Hexachloro-1,3-butadiene	U		0.193	0.800	1.09	11/17/2021 13:22	WG1775646
2-Hexanone	U		0.108	0.800	1.09	11/17/2021 13:22	WG1775646
Isopropylbenzene	U		0.0136	0.0800	1.09	11/17/2021 13:22	WG1775646
p-Isopropyltoluene	U		0.0817	0.160	1.09	11/17/2021 13:22	WG1775646
2-Butanone (MEK)	U		2.03	3.21	1.09	11/17/2021 13:22	WG1775646
Methylene Chloride	U		0.213	0.800	1.09	11/17/2021 13:22	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0730	0.800	1.09	11/17/2021 13:22	WG1775646
Methyl tert-butyl ether	U		0.0112	0.0321	1.09	11/17/2021 13:22	WG1775646
Naphthalene	U		0.156	0.401	1.09	11/17/2021 13:22	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0304	0.160	1.09	11/17/2021 13:22	WG1775646
Styrene	U		0.00733	0.401	1.09	11/17/2021 13:22	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0303	0.0800	1.09	11/17/2021 13:22	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0222	0.0800	1.09	11/17/2021 13:22	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0241	0.0800	1.09	11/17/2021 13:22	WG1775646
Tetrachloroethene	U		0.0287	0.0800	1.09	11/17/2021 13:22	WG1775646
Tetrahydrofuran	U		0.113	0.401	1.09	11/17/2021 13:22	WG1775646
Toluene	U		0.0416	0.160	1.09	11/17/2021 13:22	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.235	0.401	1.09	11/17/2021 13:22	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.141	0.401	1.09	11/17/2021 13:22	WG1775646
1,1,1-Trichloroethane	0.242		0.0296	0.0800	1.09	11/17/2021 13:22	WG1775646
1,1,2-Trichloroethane	U		0.0192	0.0800	1.09	11/17/2021 13:22	WG1775646
Trichloroethene	1.22		0.0187	0.0321	1.09	11/17/2021 13:22	WG1775646
Trichlorofluoromethane	U		0.0264	0.0800	1.09	11/17/2021 13:22	WG1775646
1,2,3-Trichloropropane	U		0.0518	0.401	1.09	11/17/2021 13:22	WG1775646
1,2,4-Trimethylbenzene	U		0.0507	0.160	1.09	11/17/2021 13:22	WG1775646
1,2,3-Trimethylbenzene	U		0.0507	0.160	1.09	11/17/2021 13:22	WG1775646
1,3,5-Trimethylbenzene	U		0.0641	0.160	1.09	11/17/2021 13:22	WG1775646
Vinyl chloride	U		0.0371	0.0800	1.09	11/17/2021 13:22	WG1775646
Xylenes, Total	0.0377	J	0.0282	0.208	1.09	11/17/2021 13:22	WG1775646
(S) Toluene-d8	*112*			*75.0-131*		*11/17/2021 13:22*	WG1775646
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*11/17/2021 13:22*	WG1775646
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*		*11/17/2021 13:22*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	11/17/2021 08:05	WG1775536

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.07	1.47	1	11/17/2021 13:41	WG1775646
Acrylonitrile	U		0.106	0.368	1	11/17/2021 13:41	WG1775646
Allyl chloride	U		0.117	0.734	1	11/17/2021 13:41	WG1775646
Benzene	U		0.0137	0.0294	1	11/17/2021 13:41	WG1775646
Bromobenzene	U		0.0264	0.368	1	11/17/2021 13:41	WG1775646
Bromodichloromethane	U		0.0213	0.0734	1	11/17/2021 13:41	WG1775646
Bromoform	U		0.0344	0.734	1	11/17/2021 13:41	WG1775646
Bromomethane	U		0.0579	0.368	1	11/17/2021 13:41	WG1775646
n-Butylbenzene	U		0.154	0.368	1	11/17/2021 13:41	WG1775646
sec-Butylbenzene	U		0.0845	0.368	1	11/17/2021 13:41	WG1775646
tert-Butylbenzene	U		0.0573	0.147	1	11/17/2021 13:41	WG1775646
Carbon tetrachloride	U		0.0264	0.147	1	11/17/2021 13:41	WG1775646
Chlorobenzene	U		0.00616	0.0734	1	11/17/2021 13:41	WG1775646
Chlorodibromomethane	U		0.0180	0.0734	1	11/17/2021 13:41	WG1775646
Chloroethane	U		0.0499	0.147	1	11/17/2021 13:41	WG1775646
Chloroform	U		0.0303	0.0734	1	11/17/2021 13:41	WG1775646
Chloromethane	U		0.128	0.368	1	11/17/2021 13:41	WG1775646
2-Chlorotoluene	U		0.0254	0.0734	1	11/17/2021 13:41	WG1775646
4-Chlorotoluene	U		0.0133	0.147	1	11/17/2021 13:41	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.114	0.734	1	11/17/2021 13:41	WG1775646
1,2-Dibromoethane	U		0.0190	0.0734	1	11/17/2021 13:41	WG1775646
Dibromomethane	U		0.0221	0.147	1	11/17/2021 13:41	WG1775646
1,2-Dichlorobenzene	U		0.0124	0.147	1	11/17/2021 13:41	WG1775646
1,3-Dichlorobenzene	U		0.0176	0.147	1	11/17/2021 13:41	WG1775646
1,4-Dichlorobenzene	U		0.0205	0.147	1	11/17/2021 13:41	WG1775646
Dichlorodifluoromethane	U		0.0473	0.0734	1	11/17/2021 13:41	WG1775646
Dichlorofluoromethane	U		0.0368	0.0734	1	11/17/2021 13:41	WG1775646
1,1-Dichloroethane	U		0.0144	0.0734	1	11/17/2021 13:41	WG1775646
1,2-Dichloroethane	U		0.0190	0.0734	1	11/17/2021 13:41	WG1775646
1,1-Dichloroethene	U		0.0178	0.0734	1	11/17/2021 13:41	WG1775646
cis-1,2-Dichloroethene	U		0.0216	0.0734	1	11/17/2021 13:41	WG1775646
trans-1,2-Dichloroethene	U		0.0305	0.147	1	11/17/2021 13:41	WG1775646
1,2-Dichloropropane	U		0.0417	0.147	1	11/17/2021 13:41	WG1775646
1,1-Dichloropropene	U		0.0237	0.0734	1	11/17/2021 13:41	WG1775646
1,3-Dichloropropane	U		0.0147	0.147	1	11/17/2021 13:41	WG1775646
cis-1,3-Dichloropropene	U		0.0222	0.0734	1	11/17/2021 13:41	WG1775646
trans-1,3-Dichloropropene	U		0.0335	0.147	1	11/17/2021 13:41	WG1775646
2,2-Dichloropropane	U		0.0405	0.0734	1	11/17/2021 13:41	WG1775646
Di-isopropyl ether	U		0.0121	0.0294	1	11/17/2021 13:41	WG1775646
Ethylbenzene	U		0.0216	0.0734	1	11/17/2021 13:41	WG1775646
Ethyl ether	U		0.0262	0.0734	1	11/17/2021 13:41	WG1775646
Hexachloro-1,3-butadiene	U		0.176	0.734	1	11/17/2021 13:41	WG1775646
2-Hexanone	U		0.0986	0.734	1	11/17/2021 13:41	WG1775646
Isopropylbenzene	U		0.0124	0.0734	1	11/17/2021 13:41	WG1775646
p-Isopropyltoluene	U		0.0749	0.147	1	11/17/2021 13:41	WG1775646
2-Butanone (MEK)	U		1.87	2.94	1	11/17/2021 13:41	WG1775646
Methylene Chloride	U		0.195	0.734	1	11/17/2021 13:41	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0669	0.734	1	11/17/2021 13:41	WG1775646
Methyl tert-butyl ether	U		0.0103	0.0294	1	11/17/2021 13:41	WG1775646
Naphthalene	U		0.143	0.368	1	11/17/2021 13:41	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0279	0.147	1	11/17/2021 13:41	WG1775646
Styrene	U		0.00673	0.368	1	11/17/2021 13:41	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0278	0.0734	1	11/17/2021 13:41	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0204	0.0734	1	11/17/2021 13:41	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0222	0.0734	1	11/17/2021 13:41	WG1775646
Tetrachloroethene	U		0.0263	0.0734	1	11/17/2021 13:41	WG1775646
Tetrahydrofuran	U		0.103	0.368	1	11/17/2021 13:41	WG1775646
Toluene	U		0.0382	0.147	1	11/17/2021 13:41	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.215	0.368	1	11/17/2021 13:41	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.129	0.368	1	11/17/2021 13:41	WG1775646
1,1,1-Trichloroethane	0.149		0.0271	0.0734	1	11/17/2021 13:41	WG1775646
1,1,2-Trichloroethane	U		0.0175	0.0734	1	11/17/2021 13:41	WG1775646
Trichloroethene	0.243		0.0171	0.0294	1	11/17/2021 13:41	WG1775646
Trichlorofluoromethane	U		0.0243	0.0734	1	11/17/2021 13:41	WG1775646
1,2,3-Trichloropropane	U		0.0476	0.368	1	11/17/2021 13:41	WG1775646
1,2,4-Trimethylbenzene	U		0.0464	0.147	1	11/17/2021 13:41	WG1775646
1,2,3-Trimethylbenzene	U		0.0464	0.147	1	11/17/2021 13:41	WG1775646
1,3,5-Trimethylbenzene	U		0.0587	0.147	1	11/17/2021 13:41	WG1775646
Vinyl chloride	U		0.0341	0.0734	1	11/17/2021 13:41	WG1775646
Xylenes, Total	U		0.0258	0.191	1	11/17/2021 13:41	WG1775646
(S) Toluene-d8	*115*			*75.0-131*		*11/17/2021 13:41*	WG1775646
(S) 4-Bromofluorobenzene	*98.9*			*67.0-138*		*11/17/2021 13:41*	WG1775646
(S) 1,2-Dichloroethane-d4	*93.1*			*70.0-130*		*11/17/2021 13:41*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.69	2.31	1.59	11/17/2021 13:59	WG1775646
Acrylonitrile	U		0.166	0.578	1.59	11/17/2021 13:59	WG1775646
Allyl chloride	U		0.185	1.16	1.59	11/17/2021 13:59	WG1775646
Benzene	U		0.0216	0.0463	1.59	11/17/2021 13:59	WG1775646
Bromobenzene	U		0.0416	0.578	1.59	11/17/2021 13:59	WG1775646
Bromodichloromethane	U		0.0335	0.116	1.59	11/17/2021 13:59	WG1775646
Bromoform	U		0.0541	1.16	1.59	11/17/2021 13:59	WG1775646
Bromomethane	U		0.0910	0.578	1.59	11/17/2021 13:59	WG1775646
n-Butylbenzene	U		0.243	0.578	1.59	11/17/2021 13:59	WG1775646
sec-Butylbenzene	U		0.133	0.578	1.59	11/17/2021 13:59	WG1775646
tert-Butylbenzene	U		0.0901	0.231	1.59	11/17/2021 13:59	WG1775646
Carbon tetrachloride	U		0.0415	0.231	1.59	11/17/2021 13:59	WG1775646
Chlorobenzene	U		0.00971	0.116	1.59	11/17/2021 13:59	WG1775646
Chlorodibromomethane	U		0.0283	0.116	1.59	11/17/2021 13:59	WG1775646
Chloroethane	U		0.0786	0.231	1.59	11/17/2021 13:59	WG1775646
Chloroform	U		0.0476	0.116	1.59	11/17/2021 13:59	WG1775646
Chloromethane	U		0.201	0.578	1.59	11/17/2021 13:59	WG1775646
2-Chlorotoluene	U		0.0400	0.116	1.59	11/17/2021 13:59	WG1775646
4-Chlorotoluene	U		0.0208	0.231	1.59	11/17/2021 13:59	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.180	1.16	1.59	11/17/2021 13:59	WG1775646
1,2-Dibromoethane	U		0.0300	0.116	1.59	11/17/2021 13:59	WG1775646
Dibromomethane	U		0.0346	0.231	1.59	11/17/2021 13:59	WG1775646
1,2-Dichlorobenzene	U		0.0196	0.231	1.59	11/17/2021 13:59	WG1775646
1,3-Dichlorobenzene	U		0.0278	0.231	1.59	11/17/2021 13:59	WG1775646
1,4-Dichlorobenzene	U		0.0323	0.231	1.59	11/17/2021 13:59	WG1775646
Dichlorodifluoromethane	U		0.0744	0.116	1.59	11/17/2021 13:59	WG1775646
Dichlorofluoromethane	U		0.0578	0.116	1.59	11/17/2021 13:59	WG1775646
1,1-Dichloroethane	U		0.0227	0.116	1.59	11/17/2021 13:59	WG1775646
1,2-Dichloroethane	U		0.0300	0.116	1.59	11/17/2021 13:59	WG1775646
1,1-Dichloroethene	U		0.0280	0.116	1.59	11/17/2021 13:59	WG1775646
cis-1,2-Dichloroethene	U		0.0339	0.116	1.59	11/17/2021 13:59	WG1775646
trans-1,2-Dichloroethene	U		0.0480	0.231	1.59	11/17/2021 13:59	WG1775646
1,2-Dichloropropane	U		0.0656	0.231	1.59	11/17/2021 13:59	WG1775646
1,1-Dichloropropene	U		0.0374	0.116	1.59	11/17/2021 13:59	WG1775646
1,3-Dichloropropane	U		0.0231	0.231	1.59	11/17/2021 13:59	WG1775646
cis-1,3-Dichloropropene	U		0.0350	0.116	1.59	11/17/2021 13:59	WG1775646
trans-1,3-Dichloropropene	U		0.0527	0.231	1.59	11/17/2021 13:59	WG1775646
2,2-Dichloropropane	U		0.0638	0.116	1.59	11/17/2021 13:59	WG1775646
Di-isopropyl ether	U		0.0190	0.0463	1.59	11/17/2021 13:59	WG1775646
Ethylbenzene	U		0.0341	0.116	1.59	11/17/2021 13:59	WG1775646
Ethyl ether	U		0.0412	0.116	1.59	11/17/2021 13:59	WG1775646
Hexachloro-1,3-butadiene	U		0.278	1.16	1.59	11/17/2021 13:59	WG1775646
2-Hexanone	U		0.156	1.16	1.59	11/17/2021 13:59	WG1775646
Isopropylbenzene	U		0.0196	0.116	1.59	11/17/2021 13:59	WG1775646
p-Isopropyltoluene	U		0.117	0.231	1.59	11/17/2021 13:59	WG1775646
2-Butanone (MEK)	U		2.93	4.63	1.59	11/17/2021 13:59	WG1775646
Methylene Chloride	U		0.307	1.16	1.59	11/17/2021 13:59	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.105	1.16	1.59	11/17/2021 13:59	WG1775646
Methyl tert-butyl ether	U		0.0162	0.0463	1.59	11/17/2021 13:59	WG1775646
Naphthalene	U		0.226	0.578	1.59	11/17/2021 13:59	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0439	0.231	1.59	11/17/2021 13:59	WG1775646
Styrene	U		0.0106	0.578	1.59	11/17/2021 13:59	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0438	0.116	1.59	11/17/2021 13:59	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0321	0.116	1.59	11/17/2021 13:59	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0349	0.116	1.59	11/17/2021 13:59	WG1775646
Tetrachloroethene	U		0.0414	0.116	1.59	11/17/2021 13:59	WG1775646
Tetrahydrofuran	U		0.163	0.578	1.59	11/17/2021 13:59	WG1775646
Toluene	U		0.0601	0.231	1.59	11/17/2021 13:59	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.338	0.578	1.59	11/17/2021 13:59	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.203	0.578	1.59	11/17/2021 13:59	WG1775646
1,1,1-Trichloroethane	0.0770	J	0.0427	0.116	1.59	11/17/2021 13:59	WG1775646
1,1,2-Trichloroethane	U		0.0276	0.116	1.59	11/17/2021 13:59	WG1775646
Trichloroethene	0.0910		0.0270	0.0463	1.59	11/17/2021 13:59	WG1775646
Trichlorofluoromethane	U		0.0383	0.116	1.59	11/17/2021 13:59	WG1775646
1,2,3-Trichloropropane	U		0.0749	0.578	1.59	11/17/2021 13:59	WG1775646
1,2,4-Trimethylbenzene	U		0.0730	0.231	1.59	11/17/2021 13:59	WG1775646
1,2,3-Trimethylbenzene	U		0.0730	0.231	1.59	11/17/2021 13:59	WG1775646
1,3,5-Trimethylbenzene	U		0.0924	0.231	1.59	11/17/2021 13:59	WG1775646
Vinyl chloride	U		0.0536	0.116	1.59	11/17/2021 13:59	WG1775646
Xylenes, Total	0.134	J	0.0407	0.300	1.59	11/17/2021 13:59	WG1775646
(S) Toluene-d8	*114*			*75.0-131*		*11/17/2021 13:59*	WG1775646
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/17/2021 13:59*	WG1775646
(S) 1,2-Dichloroethane-d4	*96.4*			*70.0-130*		*11/17/2021 13:59*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.12	1.52	1.01	11/17/2021 14:18	WG1775646
Acrylonitrile	U		0.110	0.382	1.01	11/17/2021 14:18	WG1775646
Allyl chloride	U		0.122	0.763	1.01	11/17/2021 14:18	WG1775646
Benzene	U		0.0143	0.0306	1.01	11/17/2021 14:18	WG1775646
Bromobenzene	U		0.0275	0.382	1.01	11/17/2021 14:18	WG1775646
Bromodichloromethane	U		0.0221	0.0763	1.01	11/17/2021 14:18	WG1775646
Bromoform	U		0.0357	0.763	1.01	11/17/2021 14:18	WG1775646
Bromomethane	U		0.0601	0.382	1.01	11/17/2021 14:18	WG1775646
n-Butylbenzene	U		0.161	0.382	1.01	11/17/2021 14:18	WG1775646
sec-Butylbenzene	U		0.0879	0.382	1.01	11/17/2021 14:18	WG1775646
tert-Butylbenzene	U		0.0595	0.152	1.01	11/17/2021 14:18	WG1775646
Carbon tetrachloride	U		0.0275	0.152	1.01	11/17/2021 14:18	WG1775646
Chlorobenzene	U		0.00641	0.0763	1.01	11/17/2021 14:18	WG1775646
Chlorodibromomethane	U		0.0187	0.0763	1.01	11/17/2021 14:18	WG1775646
Chloroethane	U		0.0519	0.152	1.01	11/17/2021 14:18	WG1775646
Chloroform	U		0.0314	0.0763	1.01	11/17/2021 14:18	WG1775646
Chloromethane	U		0.133	0.382	1.01	11/17/2021 14:18	WG1775646
2-Chlorotoluene	U		0.0264	0.0763	1.01	11/17/2021 14:18	WG1775646
4-Chlorotoluene	U		0.0138	0.152	1.01	11/17/2021 14:18	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.119	0.763	1.01	11/17/2021 14:18	WG1775646
1,2-Dibromoethane	U		0.0198	0.0763	1.01	11/17/2021 14:18	WG1775646
Dibromomethane	U		0.0229	0.152	1.01	11/17/2021 14:18	WG1775646
1,2-Dichlorobenzene	U		0.0129	0.152	1.01	11/17/2021 14:18	WG1775646
1,3-Dichlorobenzene	U		0.0184	0.152	1.01	11/17/2021 14:18	WG1775646
1,4-Dichlorobenzene	U		0.0214	0.152	1.01	11/17/2021 14:18	WG1775646
Dichlorodifluoromethane	U		0.0492	0.0763	1.01	11/17/2021 14:18	WG1775646
Dichlorofluoromethane	U		0.0382	0.0763	1.01	11/17/2021 14:18	WG1775646
1,1-Dichloroethane	U		0.0150	0.0763	1.01	11/17/2021 14:18	WG1775646
1,2-Dichloroethane	U		0.0198	0.0763	1.01	11/17/2021 14:18	WG1775646
1,1-Dichloroethene	U		0.0185	0.0763	1.01	11/17/2021 14:18	WG1775646
cis-1,2-Dichloroethene	U		0.0224	0.0763	1.01	11/17/2021 14:18	WG1775646
trans-1,2-Dichloroethene	U		0.0318	0.152	1.01	11/17/2021 14:18	WG1775646
1,2-Dichloropropane	U		0.0434	0.152	1.01	11/17/2021 14:18	WG1775646
1,1-Dichloropropene	U		0.0247	0.0763	1.01	11/17/2021 14:18	WG1775646
1,3-Dichloropropane	U		0.0154	0.152	1.01	11/17/2021 14:18	WG1775646
cis-1,3-Dichloropropene	U		0.0231	0.0763	1.01	11/17/2021 14:18	WG1775646
trans-1,3-Dichloropropene	U		0.0348	0.152	1.01	11/17/2021 14:18	WG1775646
2,2-Dichloropropane	U		0.0421	0.0763	1.01	11/17/2021 14:18	WG1775646
Di-isopropyl ether	U		0.0126	0.0306	1.01	11/17/2021 14:18	WG1775646
Ethylbenzene	U		0.0225	0.0763	1.01	11/17/2021 14:18	WG1775646
Ethyl ether	U		0.0272	0.0763	1.01	11/17/2021 14:18	WG1775646
Hexachloro-1,3-butadiene	U		0.184	0.763	1.01	11/17/2021 14:18	WG1775646
2-Hexanone	U		0.103	0.763	1.01	11/17/2021 14:18	WG1775646
Isopropylbenzene	U		0.0129	0.0763	1.01	11/17/2021 14:18	WG1775646
p-Isopropyltoluene	U		0.0779	0.152	1.01	11/17/2021 14:18	WG1775646
2-Butanone (MEK)	U		1.94	3.06	1.01	11/17/2021 14:18	WG1775646
Methylene Chloride	U		0.203	0.763	1.01	11/17/2021 14:18	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0697	0.763	1.01	11/17/2021 14:18	WG1775646
Methyl tert-butyl ether	U		0.0107	0.0306	1.01	11/17/2021 14:18	WG1775646
Naphthalene	U		0.149	0.382	1.01	11/17/2021 14:18	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0290	0.152	1.01	11/17/2021 14:18	WG1775646
Styrene	U		0.00699	0.382	1.01	11/17/2021 14:18	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0289	0.0763	1.01	11/17/2021 14:18	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0212	0.0763	1.01	11/17/2021 14:18	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0230	0.0763	1.01	11/17/2021 14:18	WG1775646
Tetrachloroethene	0.0346	J	0.0273	0.0763	1.01	11/17/2021 14:18	WG1775646
Tetrahydrofuran	U		0.108	0.382	1.01	11/17/2021 14:18	WG1775646
Toluene	0.0415	J	0.0397	0.152	1.01	11/17/2021 14:18	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.224	0.382	1.01	11/17/2021 14:18	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.134	0.382	1.01	11/17/2021 14:18	WG1775646
1,1,1-Trichloroethane	0.192		0.0282	0.0763	1.01	11/17/2021 14:18	WG1775646
1,1,2-Trichloroethane	0.0219	J	0.0183	0.0763	1.01	11/17/2021 14:18	WG1775646
Trichloroethene	0.202		0.0178	0.0306	1.01	11/17/2021 14:18	WG1775646
Trichlorofluoromethane	U		0.0253	0.0763	1.01	11/17/2021 14:18	WG1775646
1,2,3-Trichloropropane	U		0.0495	0.382	1.01	11/17/2021 14:18	WG1775646
1,2,4-Trimethylbenzene	U		0.0483	0.152	1.01	11/17/2021 14:18	WG1775646
1,2,3-Trimethylbenzene	U		0.0483	0.152	1.01	11/17/2021 14:18	WG1775646
1,3,5-Trimethylbenzene	U		0.0611	0.152	1.01	11/17/2021 14:18	WG1775646
Vinyl chloride	U		0.0354	0.0763	1.01	11/17/2021 14:18	WG1775646
Xylenes, Total	0.0838	J	0.0269	0.198	1.01	11/17/2021 14:18	WG1775646
(S) Toluene-d8	*115*			*75.0-131*		*11/17/2021 14:18*	WG1775646
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*11/17/2021 14:18*	WG1775646
(S) 1,2-Dichloroethane-d4	*95.4*			*70.0-130*		*11/17/2021 14:18*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.12	1.53	1	11/17/2021 14:37	WG1775646
Acrylonitrile	U		0.111	0.384	1	11/17/2021 14:37	WG1775646
Allyl chloride	U		0.123	0.767	1	11/17/2021 14:37	WG1775646
Benzene	U		0.0144	0.0307	1	11/17/2021 14:37	WG1775646
Bromobenzene	U		0.0276	0.384	1	11/17/2021 14:37	WG1775646
Bromodichloromethane	U		0.0222	0.0767	1	11/17/2021 14:37	WG1775646
Bromoform	U		0.0359	0.767	1	11/17/2021 14:37	WG1775646
Bromomethane	U		0.0605	0.384	1	11/17/2021 14:37	WG1775646
n-Butylbenzene	U		0.161	0.384	1	11/17/2021 14:37	WG1775646
sec-Butylbenzene	U		0.0883	0.384	1	11/17/2021 14:37	WG1775646
tert-Butylbenzene	U		0.0599	0.153	1	11/17/2021 14:37	WG1775646
Carbon tetrachloride	U		0.0276	0.153	1	11/17/2021 14:37	WG1775646
Chlorobenzene	U		0.00644	0.0767	1	11/17/2021 14:37	WG1775646
Chlorodibromomethane	U		0.0188	0.0767	1	11/17/2021 14:37	WG1775646
Chloroethane	U		0.0521	0.153	1	11/17/2021 14:37	WG1775646
Chloroform	U		0.0317	0.0767	1	11/17/2021 14:37	WG1775646
Chloromethane	U		0.134	0.384	1	11/17/2021 14:37	WG1775646
2-Chlorotoluene	U		0.0265	0.0767	1	11/17/2021 14:37	WG1775646
4-Chlorotoluene	U		0.0139	0.153	1	11/17/2021 14:37	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.120	0.767	1	11/17/2021 14:37	WG1775646
1,2-Dibromoethane	U		0.0199	0.0767	1	11/17/2021 14:37	WG1775646
Dibromomethane	U		0.0231	0.153	1	11/17/2021 14:37	WG1775646
1,2-Dichlorobenzene	U		0.0130	0.153	1	11/17/2021 14:37	WG1775646
1,3-Dichlorobenzene	U		0.0184	0.153	1	11/17/2021 14:37	WG1775646
1,4-Dichlorobenzene	U		0.0215	0.153	1	11/17/2021 14:37	WG1775646
Dichlorodifluoromethane	U		0.0494	0.0767	1	11/17/2021 14:37	WG1775646
Dichlorofluoromethane	U		0.0384	0.0767	1	11/17/2021 14:37	WG1775646
1,1-Dichloroethane	U		0.0151	0.0767	1	11/17/2021 14:37	WG1775646
1,2-Dichloroethane	U		0.0199	0.0767	1	11/17/2021 14:37	WG1775646
1,1-Dichloroethene	U		0.0186	0.0767	1	11/17/2021 14:37	WG1775646
cis-1,2-Dichloroethene	U		0.0226	0.0767	1	11/17/2021 14:37	WG1775646
trans-1,2-Dichloroethene	U		0.0319	0.153	1	11/17/2021 14:37	WG1775646
1,2-Dichloropropane	U		0.0436	0.153	1	11/17/2021 14:37	WG1775646
1,1-Dichloropropene	U		0.0248	0.0767	1	11/17/2021 14:37	WG1775646
1,3-Dichloropropane	U		0.0153	0.153	1	11/17/2021 14:37	WG1775646
cis-1,3-Dichloropropene	U		0.0232	0.0767	1	11/17/2021 14:37	WG1775646
trans-1,3-Dichloropropene	U		0.0350	0.153	1	11/17/2021 14:37	WG1775646
2,2-Dichloropropane	U		0.0423	0.0767	1	11/17/2021 14:37	WG1775646
Di-isopropyl ether	U		0.0126	0.0307	1	11/17/2021 14:37	WG1775646
Ethylbenzene	U		0.0226	0.0767	1	11/17/2021 14:37	WG1775646
Ethyl ether	U		0.0274	0.0767	1	11/17/2021 14:37	WG1775646
Hexachloro-1,3-butadiene	U		0.184	0.767	1	11/17/2021 14:37	WG1775646
2-Hexanone	U		0.103	0.767	1	11/17/2021 14:37	WG1775646
Isopropylbenzene	U		0.0130	0.0767	1	11/17/2021 14:37	WG1775646
p-Isopropyltoluene	U		0.0783	0.153	1	11/17/2021 14:37	WG1775646
2-Butanone (MEK)	U		1.95	3.07	1	11/17/2021 14:37	WG1775646
Methylene Chloride	U		0.204	0.767	1	11/17/2021 14:37	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0699	0.767	1	11/17/2021 14:37	WG1775646
Methyl tert-butyl ether	U		0.0107	0.0307	1	11/17/2021 14:37	WG1775646
Naphthalene	U		0.150	0.384	1	11/17/2021 14:37	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0292	0.153	1	11/17/2021 14:37	WG1775646
Styrene	U		0.00703	0.384	1	11/17/2021 14:37	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0291	0.0767	1	11/17/2021 14:37	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0213	0.0767	1	11/17/2021 14:37	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0232	0.0767	1	11/17/2021 14:37	WG1775646
Tetrachloroethene	U		0.0275	0.0767	1	11/17/2021 14:37	WG1775646
Tetrahydrofuran	U		0.108	0.384	1	11/17/2021 14:37	WG1775646
Toluene	U		0.0399	0.153	1	11/17/2021 14:37	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.225	0.384	1	11/17/2021 14:37	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.135	0.384	1	11/17/2021 14:37	WG1775646
1,1,1-Trichloroethane	0.128		0.0283	0.0767	1	11/17/2021 14:37	WG1775646
1,1,2-Trichloroethane	U		0.0183	0.0767	1	11/17/2021 14:37	WG1775646
Trichloroethene	0.0359		0.0179	0.0307	1	11/17/2021 14:37	WG1775646
Trichlorofluoromethane	U		0.0254	0.0767	1	11/17/2021 14:37	WG1775646
1,2,3-Trichloropropane	U		0.0497	0.384	1	11/17/2021 14:37	WG1775646
1,2,4-Trimethylbenzene	U		0.0485	0.153	1	11/17/2021 14:37	WG1775646
1,2,3-Trimethylbenzene	U		0.0485	0.153	1	11/17/2021 14:37	WG1775646
1,3,5-Trimethylbenzene	U		0.0613	0.153	1	11/17/2021 14:37	WG1775646
Vinyl chloride	U		0.0356	0.0767	1	11/17/2021 14:37	WG1775646
Xylenes, Total	U		0.0270	0.200	1	11/17/2021 14:37	WG1775646
(S) Toluene-d8	*117*			*75.0-131*		*11/17/2021 14:37*	WG1775646
(S) 4-Bromofluorobenzene	*98.7*			*67.0-138*		*11/17/2021 14:37*	WG1775646
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*		*11/17/2021 14:37*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.2		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.99	2.73	1.62	11/17/2021 14:56	WG1775646
Acrylonitrile	U		0.197	0.682	1.62	11/17/2021 14:56	WG1775646
Allyl chloride	U		0.218	1.36	1.62	11/17/2021 14:56	WG1775646
Benzene	U		0.0255	0.0546	1.62	11/17/2021 14:56	WG1775646
Bromobenzene	U		0.0492	0.682	1.62	11/17/2021 14:56	WG1775646
Bromodichloromethane	U		0.0396	0.136	1.62	11/17/2021 14:56	WG1775646
Bromoform	U		0.0638	1.36	1.62	11/17/2021 14:56	WG1775646
Bromomethane	U		0.107	0.682	1.62	11/17/2021 14:56	WG1775646
n-Butylbenzene	U		0.287	0.682	1.62	11/17/2021 14:56	WG1775646
sec-Butylbenzene	U		0.158	0.682	1.62	11/17/2021 14:56	WG1775646
tert-Butylbenzene	U		0.106	0.273	1.62	11/17/2021 14:56	WG1775646
Carbon tetrachloride	U		0.0490	0.273	1.62	11/17/2021 14:56	WG1775646
Chlorobenzene	U		0.0115	0.136	1.62	11/17/2021 14:56	WG1775646
Chlorodibromomethane	U		0.0334	0.136	1.62	11/17/2021 14:56	WG1775646
Chloroethane	U		0.0928	0.273	1.62	11/17/2021 14:56	WG1775646
Chloroform	U		0.0562	0.136	1.62	11/17/2021 14:56	WG1775646
Chloromethane	U		0.237	0.682	1.62	11/17/2021 14:56	WG1775646
2-Chlorotoluene	U		0.0471	0.136	1.62	11/17/2021 14:56	WG1775646
4-Chlorotoluene	U		0.0245	0.273	1.62	11/17/2021 14:56	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.213	1.36	1.62	11/17/2021 14:56	WG1775646
1,2-Dibromoethane	U		0.0353	0.136	1.62	11/17/2021 14:56	WG1775646
Dibromomethane	U		0.0410	0.273	1.62	11/17/2021 14:56	WG1775646
1,2-Dichlorobenzene	U		0.0232	0.273	1.62	11/17/2021 14:56	WG1775646
1,3-Dichlorobenzene	U		0.0327	0.273	1.62	11/17/2021 14:56	WG1775646
1,4-Dichlorobenzene	U		0.0383	0.273	1.62	11/17/2021 14:56	WG1775646
Dichlorodifluoromethane	U		0.0878	0.136	1.62	11/17/2021 14:56	WG1775646
Dichlorofluoromethane	U		0.0682	0.136	1.62	11/17/2021 14:56	WG1775646
1,1-Dichloroethane	U		0.0268	0.136	1.62	11/17/2021 14:56	WG1775646
1,2-Dichloroethane	U		0.0354	0.136	1.62	11/17/2021 14:56	WG1775646
1,1-Dichloroethene	U		0.0330	0.136	1.62	11/17/2021 14:56	WG1775646
cis-1,2-Dichloroethene	0.220		0.0400	0.136	1.62	11/17/2021 14:56	WG1775646
trans-1,2-Dichloroethene	U		0.0567	0.273	1.62	11/17/2021 14:56	WG1775646
1,2-Dichloropropane	U		0.0775	0.273	1.62	11/17/2021 14:56	WG1775646
1,1-Dichloropropene	U		0.0442	0.136	1.62	11/17/2021 14:56	WG1775646
1,3-Dichloropropane	U		0.0273	0.273	1.62	11/17/2021 14:56	WG1775646
cis-1,3-Dichloropropene	U		0.0414	0.136	1.62	11/17/2021 14:56	WG1775646
trans-1,3-Dichloropropene	U		0.0622	0.273	1.62	11/17/2021 14:56	WG1775646
2,2-Dichloropropane	U		0.0753	0.136	1.62	11/17/2021 14:56	WG1775646
Di-isopropyl ether	U		0.0224	0.0546	1.62	11/17/2021 14:56	WG1775646
Ethylbenzene	U		0.0401	0.136	1.62	11/17/2021 14:56	WG1775646
Ethyl ether	U		0.0486	0.136	1.62	11/17/2021 14:56	WG1775646
Hexachloro-1,3-butadiene	U		0.327	1.36	1.62	11/17/2021 14:56	WG1775646
2-Hexanone	U		0.183	1.36	1.62	11/17/2021 14:56	WG1775646
Isopropylbenzene	U		0.0232	0.136	1.62	11/17/2021 14:56	WG1775646
p-Isopropyltoluene	U		0.139	0.273	1.62	11/17/2021 14:56	WG1775646
2-Butanone (MEK)	U		3.46	5.46	1.62	11/17/2021 14:56	WG1775646
Methylene Chloride	U		0.362	1.36	1.62	11/17/2021 14:56	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.124	1.36	1.62	11/17/2021 14:56	WG1775646
Methyl tert-butyl ether	U		0.0191	0.0546	1.62	11/17/2021 14:56	WG1775646
Naphthalene	U		0.267	0.682	1.62	11/17/2021 14:56	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0519	0.273	1.62	11/17/2021 14:56	WG1775646
Styrene	U		0.0125	0.682	1.62	11/17/2021 14:56	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0517	0.136	1.62	11/17/2021 14:56	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0379	0.136	1.62	11/17/2021 14:56	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0411	0.136	1.62	11/17/2021 14:56	WG1775646
Tetrachloroethene	U		0.0489	0.136	1.62	11/17/2021 14:56	WG1775646
Tetrahydrofuran	U		0.193	0.682	1.62	11/17/2021 14:56	WG1775646
Toluene	U		0.0710	0.273	1.62	11/17/2021 14:56	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.400	0.682	1.62	11/17/2021 14:56	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.240	0.682	1.62	11/17/2021 14:56	WG1775646
1,1,1-Trichloroethane	0.299		0.0504	0.136	1.62	11/17/2021 14:56	WG1775646
1,1,2-Trichloroethane	U		0.0326	0.136	1.62	11/17/2021 14:56	WG1775646
Trichloroethene	1.94		0.0319	0.0546	1.62	11/17/2021 14:56	WG1775646
Trichlorofluoromethane	U		0.0451	0.136	1.62	11/17/2021 14:56	WG1775646
1,2,3-Trichloropropane	U		0.0884	0.682	1.62	11/17/2021 14:56	WG1775646
1,2,4-Trimethylbenzene	U		0.0862	0.273	1.62	11/17/2021 14:56	WG1775646
1,2,3-Trimethylbenzene	U		0.0862	0.273	1.62	11/17/2021 14:56	WG1775646
1,3,5-Trimethylbenzene	U		0.109	0.273	1.62	11/17/2021 14:56	WG1775646
Vinyl chloride	U		0.0633	0.136	1.62	11/17/2021 14:56	WG1775646
Xylenes, Total	0.150	J	0.0480	0.354	1.62	11/17/2021 14:56	WG1775646
(S) Toluene-d8	*111*			*75.0-131*		*11/17/2021 14:56*	WG1775646
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*11/17/2021 14:56*	WG1775646
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*11/17/2021 14:56*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.3		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.20	1.65	1.03	11/17/2021 15:15	WG1775646
Acrylonitrile	U		0.119	0.411	1.03	11/17/2021 15:15	WG1775646
Allyl chloride	U		0.132	0.822	1.03	11/17/2021 15:15	WG1775646
Benzene	U		0.0153	0.0329	1.03	11/17/2021 15:15	WG1775646
Bromobenzene	U		0.0296	0.411	1.03	11/17/2021 15:15	WG1775646
Bromodichloromethane	U		0.0239	0.0822	1.03	11/17/2021 15:15	WG1775646
Bromoform	U		0.0384	0.822	1.03	11/17/2021 15:15	WG1775646
Bromomethane	U		0.0647	0.411	1.03	11/17/2021 15:15	WG1775646
n-Butylbenzene	U		0.172	0.411	1.03	11/17/2021 15:15	WG1775646
sec-Butylbenzene	U		0.0948	0.411	1.03	11/17/2021 15:15	WG1775646
tert-Butylbenzene	U		0.0641	0.165	1.03	11/17/2021 15:15	WG1775646
Carbon tetrachloride	U		0.0295	0.165	1.03	11/17/2021 15:15	WG1775646
Chlorobenzene	U		0.00691	0.0822	1.03	11/17/2021 15:15	WG1775646
Chlorodibromomethane	U		0.0202	0.0822	1.03	11/17/2021 15:15	WG1775646
Chloroethane	U		0.0559	0.165	1.03	11/17/2021 15:15	WG1775646
Chloroform	U		0.0338	0.0822	1.03	11/17/2021 15:15	WG1775646
Chloromethane	U		0.143	0.411	1.03	11/17/2021 15:15	WG1775646
2-Chlorotoluene	U		0.0285	0.0822	1.03	11/17/2021 15:15	WG1775646
4-Chlorotoluene	U		0.0148	0.165	1.03	11/17/2021 15:15	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.128	0.822	1.03	11/17/2021 15:15	WG1775646
1,2-Dibromoethane	U		0.0213	0.0822	1.03	11/17/2021 15:15	WG1775646
Dibromomethane	U		0.0246	0.165	1.03	11/17/2021 15:15	WG1775646
1,2-Dichlorobenzene	U		0.0139	0.165	1.03	11/17/2021 15:15	WG1775646
1,3-Dichlorobenzene	U		0.0198	0.165	1.03	11/17/2021 15:15	WG1775646
1,4-Dichlorobenzene	U		0.0230	0.165	1.03	11/17/2021 15:15	WG1775646
Dichlorodifluoromethane	U		0.0530	0.0822	1.03	11/17/2021 15:15	WG1775646
Dichlorofluoromethane	U		0.0411	0.0822	1.03	11/17/2021 15:15	WG1775646
1,1-Dichloroethane	U		0.0161	0.0822	1.03	11/17/2021 15:15	WG1775646
1,2-Dichloroethane	U		0.0213	0.0822	1.03	11/17/2021 15:15	WG1775646
1,1-Dichloroethene	U		0.0199	0.0822	1.03	11/17/2021 15:15	WG1775646
cis-1,2-Dichloroethene	0.337		0.0241	0.0822	1.03	11/17/2021 15:15	WG1775646
trans-1,2-Dichloroethene	U		0.0342	0.165	1.03	11/17/2021 15:15	WG1775646
1,2-Dichloropropane	U		0.0467	0.165	1.03	11/17/2021 15:15	WG1775646
1,1-Dichloropropene	U		0.0266	0.0822	1.03	11/17/2021 15:15	WG1775646
1,3-Dichloropropane	U		0.0165	0.165	1.03	11/17/2021 15:15	WG1775646
cis-1,3-Dichloropropene	U		0.0249	0.0822	1.03	11/17/2021 15:15	WG1775646
trans-1,3-Dichloropropene	U		0.0375	0.165	1.03	11/17/2021 15:15	WG1775646
2,2-Dichloropropane	U		0.0453	0.0822	1.03	11/17/2021 15:15	WG1775646
Di-isopropyl ether	U		0.0135	0.0329	1.03	11/17/2021 15:15	WG1775646
Ethylbenzene	U		0.0243	0.0822	1.03	11/17/2021 15:15	WG1775646
Ethyl ether	U		0.0292	0.0822	1.03	11/17/2021 15:15	WG1775646
Hexachloro-1,3-butadiene	U		0.198	0.822	1.03	11/17/2021 15:15	WG1775646
2-Hexanone	U		0.110	0.822	1.03	11/17/2021 15:15	WG1775646
Isopropylbenzene	U		0.0139	0.0822	1.03	11/17/2021 15:15	WG1775646
p-Isopropyltoluene	U		0.0839	0.165	1.03	11/17/2021 15:15	WG1775646
2-Butanone (MEK)	U		2.09	3.29	1.03	11/17/2021 15:15	WG1775646
Methylene Chloride	U		0.218	0.822	1.03	11/17/2021 15:15	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0750	0.822	1.03	11/17/2021 15:15	WG1775646
Methyl tert-butyl ether	U		0.0115	0.0329	1.03	11/17/2021 15:15	WG1775646
Naphthalene	U		0.161	0.411	1.03	11/17/2021 15:15	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0313	0.165	1.03	11/17/2021 15:15	WG1775646
Styrene	U		0.00753	0.411	1.03	11/17/2021 15:15	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0312	0.0822	1.03	11/17/2021 15:15	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0229	0.0822	1.03	11/17/2021 15:15	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0248	0.0822	1.03	11/17/2021 15:15	WG1775646
Tetrachloroethene	U		0.0295	0.0822	1.03	11/17/2021 15:15	WG1775646
Tetrahydrofuran	U		0.116	0.411	1.03	11/17/2021 15:15	WG1775646
Toluene	U		0.0428	0.165	1.03	11/17/2021 15:15	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.241	0.411	1.03	11/17/2021 15:15	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.144	0.411	1.03	11/17/2021 15:15	WG1775646
1,1,1-Trichloroethane	0.0388	J	0.0304	0.0822	1.03	11/17/2021 15:15	WG1775646
1,1,2-Trichloroethane	U		0.0197	0.0822	1.03	11/17/2021 15:15	WG1775646
Trichloroethene	4.53		0.192	0.329	10.3	11/18/2021 13:11	WG1776620
Trichlorofluoromethane	U		0.0272	0.0822	1.03	11/17/2021 15:15	WG1775646
1,2,3-Trichloropropane	U		0.0533	0.411	1.03	11/17/2021 15:15	WG1775646
1,2,4-Trimethylbenzene	U		0.0520	0.165	1.03	11/17/2021 15:15	WG1775646
1,2,3-Trimethylbenzene	U		0.0520	0.165	1.03	11/17/2021 15:15	WG1775646
1,3,5-Trimethylbenzene	U		0.0658	0.165	1.03	11/17/2021 15:15	WG1775646
Vinyl chloride	U		0.0382	0.0822	1.03	11/17/2021 15:15	WG1775646
Xylenes, Total	U		0.0290	0.213	1.03	11/17/2021 15:15	WG1775646
(S) Toluene-d8	*116*			*75.0-131*		*11/17/2021 15:15*	WG1775646
(S) Toluene-d8	*107*			*75.0-131*		*11/18/2021 13:11*	WG1776620
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/17/2021 15:15*	WG1775646
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/18/2021 13:11*	WG1776620
(S) 1,2-Dichloroethane-d4	*91.8*			*70.0-130*		*11/17/2021 15:15*	WG1775646
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*11/18/2021 13:11*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.1		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.94	2.66	1.51	11/17/2021 15:41	WG1775646
Acrylonitrile	U		0.191	0.664	1.51	11/17/2021 15:41	WG1775646
Allyl chloride	U		0.212	1.33	1.51	11/17/2021 15:41	WG1775646
Benzene	U		0.0248	0.0532	1.51	11/17/2021 15:41	WG1775646
Bromobenzene	U		0.0478	0.664	1.51	11/17/2021 15:41	WG1775646
Bromodichloromethane	U		0.0385	0.133	1.51	11/17/2021 15:41	WG1775646
Bromoform	U		0.0622	1.33	1.51	11/17/2021 15:41	WG1775646
Bromomethane	U		0.105	0.664	1.51	11/17/2021 15:41	WG1775646
n-Butylbenzene	U		0.279	0.664	1.51	11/17/2021 15:41	WG1775646
sec-Butylbenzene	U		0.153	0.664	1.51	11/17/2021 15:41	WG1775646
tert-Butylbenzene	U		0.104	0.266	1.51	11/17/2021 15:41	WG1775646
Carbon tetrachloride	U		0.0477	0.266	1.51	11/17/2021 15:41	WG1775646
Chlorobenzene	U		0.0112	0.133	1.51	11/17/2021 15:41	WG1775646
Chlorodibromomethane	U		0.0325	0.133	1.51	11/17/2021 15:41	WG1775646
Chloroethane	U		0.0903	0.266	1.51	11/17/2021 15:41	WG1775646
Chloroform	U		0.0547	0.133	1.51	11/17/2021 15:41	WG1775646
Chloromethane	U		0.231	0.664	1.51	11/17/2021 15:41	WG1775646
2-Chlorotoluene	U		0.0460	0.133	1.51	11/17/2021 15:41	WG1775646
4-Chlorotoluene	U		0.0239	0.266	1.51	11/17/2021 15:41	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.207	1.33	1.51	11/17/2021 15:41	WG1775646
1,2-Dibromoethane	U		0.0345	0.133	1.51	11/17/2021 15:41	WG1775646
Dibromomethane	U		0.0398	0.266	1.51	11/17/2021 15:41	WG1775646
1,2-Dichlorobenzene	U		0.0225	0.266	1.51	11/17/2021 15:41	WG1775646
1,3-Dichlorobenzene	U		0.0319	0.266	1.51	11/17/2021 15:41	WG1775646
1,4-Dichlorobenzene	U		0.0371	0.266	1.51	11/17/2021 15:41	WG1775646
Dichlorodifluoromethane	U		0.0855	0.133	1.51	11/17/2021 15:41	WG1775646
Dichlorofluoromethane	U		0.0664	0.133	1.51	11/17/2021 15:41	WG1775646
1,1-Dichloroethane	U		0.0260	0.133	1.51	11/17/2021 15:41	WG1775646
1,2-Dichloroethane	U		0.0345	0.133	1.51	11/17/2021 15:41	WG1775646
1,1-Dichloroethene	U		0.0322	0.133	1.51	11/17/2021 15:41	WG1775646
cis-1,2-Dichloroethene	0.204		0.0390	0.133	1.51	11/17/2021 15:41	WG1775646
trans-1,2-Dichloroethene	U		0.0553	0.266	1.51	11/17/2021 15:41	WG1775646
1,2-Dichloropropane	U		0.0754	0.266	1.51	11/17/2021 15:41	WG1775646
1,1-Dichloropropene	U		0.0429	0.133	1.51	11/17/2021 15:41	WG1775646
1,3-Dichloropropane	U		0.0266	0.266	1.51	11/17/2021 15:41	WG1775646
cis-1,3-Dichloropropene	U		0.0402	0.133	1.51	11/17/2021 15:41	WG1775646
trans-1,3-Dichloropropene	U		0.0605	0.266	1.51	11/17/2021 15:41	WG1775646
2,2-Dichloropropane	U		0.0733	0.133	1.51	11/17/2021 15:41	WG1775646
Di-isopropyl ether	U		0.0218	0.0532	1.51	11/17/2021 15:41	WG1775646
Ethylbenzene	U		0.0391	0.133	1.51	11/17/2021 15:41	WG1775646
Ethyl ether	U		0.0473	0.133	1.51	11/17/2021 15:41	WG1775646
Hexachloro-1,3-butadiene	U		0.318	1.33	1.51	11/17/2021 15:41	WG1775646
2-Hexanone	U		0.179	1.33	1.51	11/17/2021 15:41	WG1775646
Isopropylbenzene	U		0.0225	0.133	1.51	11/17/2021 15:41	WG1775646
p-Isopropyltoluene	U		0.135	0.266	1.51	11/17/2021 15:41	WG1775646
2-Butanone (MEK)	U		3.38	5.32	1.51	11/17/2021 15:41	WG1775646
Methylene Chloride	U		0.353	1.33	1.51	11/17/2021 15:41	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.121	1.33	1.51	11/17/2021 15:41	WG1775646
Methyl tert-butyl ether	U		0.0186	0.0532	1.51	11/17/2021 15:41	WG1775646
Naphthalene	U		0.259	0.664	1.51	11/17/2021 15:41	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0505	0.266	1.51	11/17/2021 15:41	WG1775646
Styrene	U		0.0122	0.664	1.51	11/17/2021 15:41	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0504	0.133	1.51	11/17/2021 15:41	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0369	0.133	1.51	11/17/2021 15:41	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0401	0.133	1.51	11/17/2021 15:41	WG1775646
Tetrachloroethene	0.125	J	0.0476	0.133	1.51	11/17/2021 15:41	WG1775646
Tetrahydrofuran	U		0.187	0.664	1.51	11/17/2021 15:41	WG1775646
Toluene	U		0.0691	0.266	1.51	11/17/2021 15:41	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.390	0.664	1.51	11/17/2021 15:41	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.234	0.664	1.51	11/17/2021 15:41	WG1775646
1,1,1-Trichloroethane	0.430		0.0490	0.133	1.51	11/17/2021 15:41	WG1775646
1,1,2-Trichloroethane	U		0.0317	0.133	1.51	11/17/2021 15:41	WG1775646
Trichloroethene	284		6.20	10.6	302	11/18/2021 13:30	WG1776620
Trichlorofluoromethane	U		0.0439	0.133	1.51	11/17/2021 15:41	WG1775646
1,2,3-Trichloropropane	U		0.0861	0.664	1.51	11/17/2021 15:41	WG1775646
1,2,4-Trimethylbenzene	U		0.0838	0.266	1.51	11/17/2021 15:41	WG1775646
1,2,3-Trimethylbenzene	U		0.0838	0.266	1.51	11/17/2021 15:41	WG1775646
1,3,5-Trimethylbenzene	U		0.106	0.266	1.51	11/17/2021 15:41	WG1775646
Vinyl chloride	U		0.0616	0.133	1.51	11/17/2021 15:41	WG1775646
Xylenes, Total	0.114	J	0.0467	0.345	1.51	11/17/2021 15:41	WG1775646
(S) Toluene-d8	*118*			*75.0-131*		*11/17/2021 15:41*	WG1775646
(S) Toluene-d8	*106*			*75.0-131*		*11/18/2021 13:30*	WG1776620
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/17/2021 15:41*	WG1775646
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*11/18/2021 13:30*	WG1776620
(S) 1,2-Dichloroethane-d4	*94.1*			*70.0-130*		*11/17/2021 15:41*	WG1775646
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/18/2021 13:30*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.32	1.80	1.2	11/17/2021 16:00	WG1775646
Acrylonitrile	U		0.129	0.449	1.2	11/17/2021 16:00	WG1775646
Allyl chloride	U		0.144	0.899	1.2	11/17/2021 16:00	WG1775646
Benzene	U		0.0168	0.0360	1.2	11/17/2021 16:00	WG1775646
Bromobenzene	U		0.0324	0.449	1.2	11/17/2021 16:00	WG1775646
Bromodichloromethane	U		0.0261	0.0899	1.2	11/17/2021 16:00	WG1775646
Bromoform	U		0.0421	0.899	1.2	11/17/2021 16:00	WG1775646
Bromomethane	U		0.0708	0.449	1.2	11/17/2021 16:00	WG1775646
n-Butylbenzene	U		0.189	0.449	1.2	11/17/2021 16:00	WG1775646
sec-Butylbenzene	U		0.104	0.449	1.2	11/17/2021 16:00	WG1775646
tert-Butylbenzene	U		0.0701	0.180	1.2	11/17/2021 16:00	WG1775646
Carbon tetrachloride	U		0.0322	0.180	1.2	11/17/2021 16:00	WG1775646
Chlorobenzene	U		0.00755	0.0899	1.2	11/17/2021 16:00	WG1775646
Chlorodibromomethane	U		0.0221	0.0899	1.2	11/17/2021 16:00	WG1775646
Chloroethane	U		0.0611	0.180	1.2	11/17/2021 16:00	WG1775646
Chloroform	U		0.0370	0.0899	1.2	11/17/2021 16:00	WG1775646
Chloromethane	U		0.157	0.449	1.2	11/17/2021 16:00	WG1775646
2-Chlorotoluene	U		0.0310	0.0899	1.2	11/17/2021 16:00	WG1775646
4-Chlorotoluene	U		0.0162	0.180	1.2	11/17/2021 16:00	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.140	0.899	1.2	11/17/2021 16:00	WG1775646
1,2-Dibromoethane	U		0.0233	0.0899	1.2	11/17/2021 16:00	WG1775646
Dibromomethane	U		0.0270	0.180	1.2	11/17/2021 16:00	WG1775646
1,2-Dichlorobenzene	U		0.0153	0.180	1.2	11/17/2021 16:00	WG1775646
1,3-Dichlorobenzene	U		0.0216	0.180	1.2	11/17/2021 16:00	WG1775646
1,4-Dichlorobenzene	U		0.0252	0.180	1.2	11/17/2021 16:00	WG1775646
Dichlorodifluoromethane	U		0.0579	0.0899	1.2	11/17/2021 16:00	WG1775646
Dichlorofluoromethane	U		0.0449	0.0899	1.2	11/17/2021 16:00	WG1775646
1,1-Dichloroethane	U		0.0176	0.0899	1.2	11/17/2021 16:00	WG1775646
1,2-Dichloroethane	U		0.0234	0.0899	1.2	11/17/2021 16:00	WG1775646
1,1-Dichloroethene	U		0.0218	0.0899	1.2	11/17/2021 16:00	WG1775646
cis-1,2-Dichloroethene	0.0985		0.0264	0.0899	1.2	11/17/2021 16:00	WG1775646
trans-1,2-Dichloroethene	U		0.0374	0.180	1.2	11/17/2021 16:00	WG1775646
1,2-Dichloropropane	U		0.0511	0.180	1.2	11/17/2021 16:00	WG1775646
1,1-Dichloropropene	U		0.0291	0.0899	1.2	11/17/2021 16:00	WG1775646
1,3-Dichloropropane	U		0.0180	0.180	1.2	11/17/2021 16:00	WG1775646
cis-1,3-Dichloropropene	U		0.0272	0.0899	1.2	11/17/2021 16:00	WG1775646
trans-1,3-Dichloropropene	U		0.0410	0.180	1.2	11/17/2021 16:00	WG1775646
2,2-Dichloropropane	U		0.0496	0.0899	1.2	11/17/2021 16:00	WG1775646
Di-isopropyl ether	U		0.0147	0.0360	1.2	11/17/2021 16:00	WG1775646
Ethylbenzene	U		0.0265	0.0899	1.2	11/17/2021 16:00	WG1775646
Ethyl ether	U		0.0320	0.0899	1.2	11/17/2021 16:00	WG1775646
Hexachloro-1,3-butadiene	U		0.216	0.899	1.2	11/17/2021 16:00	WG1775646
2-Hexanone	U		0.121	0.899	1.2	11/17/2021 16:00	WG1775646
Isopropylbenzene	U		0.0153	0.0899	1.2	11/17/2021 16:00	WG1775646
p-Isopropyltoluene	U		0.0917	0.180	1.2	11/17/2021 16:00	WG1775646
2-Butanone (MEK)	U		2.28	3.60	1.2	11/17/2021 16:00	WG1775646
Methylene Chloride	U		0.239	0.899	1.2	11/17/2021 16:00	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0820	0.899	1.2	11/17/2021 16:00	WG1775646
Methyl tert-butyl ether	U		0.0126	0.0360	1.2	11/17/2021 16:00	WG1775646
Naphthalene	U		0.175	0.449	1.2	11/17/2021 16:00	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0342	0.180	1.2	11/17/2021 16:00	WG1775646
Styrene	U		0.00823	0.449	1.2	11/17/2021 16:00	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0340	0.0899	1.2	11/17/2021 16:00	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0251	0.0899	1.2	11/17/2021 16:00	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0271	0.0899	1.2	11/17/2021 16:00	WG1775646
Tetrachloroethene	0.0716	J	0.0322	0.0899	1.2	11/17/2021 16:00	WG1775646
Tetrahydrofuran	U		0.127	0.449	1.2	11/17/2021 16:00	WG1775646
Toluene	U		0.0467	0.180	1.2	11/17/2021 16:00	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.264	0.449	1.2	11/17/2021 16:00	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.158	0.449	1.2	11/17/2021 16:00	WG1775646
1,1,1-Trichloroethane	0.175		0.0332	0.0899	1.2	11/17/2021 16:00	WG1775646
1,1,2-Trichloroethane	U		0.0215	0.0899	1.2	11/17/2021 16:00	WG1775646
Trichloroethene	85.7		4.20	7.19	240	11/18/2021 13:49	WG1776620
Trichlorofluoromethane	U		0.0297	0.0899	1.2	11/17/2021 16:00	WG1775646
1,2,3-Trichloropropane	U		0.0583	0.449	1.2	11/17/2021 16:00	WG1775646
1,2,4-Trimethylbenzene	U		0.0568	0.180	1.2	11/17/2021 16:00	WG1775646
1,2,3-Trimethylbenzene	U		0.0568	0.180	1.2	11/17/2021 16:00	WG1775646
1,3,5-Trimethylbenzene	U		0.0719	0.180	1.2	11/17/2021 16:00	WG1775646
Vinyl chloride	U		0.0417	0.0899	1.2	11/17/2021 16:00	WG1775646
Xylenes, Total	U		0.0316	0.234	1.2	11/17/2021 16:00	WG1775646
(S) Toluene-d8	*114*			*75.0-131*		*11/17/2021 16:00*	WG1775646
(S) Toluene-d8	*106*			*75.0-131*		*11/18/2021 13:49*	WG1776620
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*11/17/2021 16:00*	WG1775646
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*11/18/2021 13:49*	WG1776620
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*11/17/2021 16:00*	WG1775646
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/18/2021 13:49*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	67.0		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.70	2.33	1.25	11/17/2021 16:19	WG1775646
Acrylonitrile	U		0.169	0.583	1.25	11/17/2021 16:19	WG1775646
Allyl chloride	U		0.186	1.17	1.25	11/17/2021 16:19	WG1775646
Benzene	U		0.0218	0.0467	1.25	11/17/2021 16:19	WG1775646
Bromobenzene	U		0.0419	0.583	1.25	11/17/2021 16:19	WG1775646
Bromodichloromethane	U		0.0339	0.117	1.25	11/17/2021 16:19	WG1775646
Bromoform	U		0.0546	1.17	1.25	11/17/2021 16:19	WG1775646
Bromomethane	U		0.0919	0.583	1.25	11/17/2021 16:19	WG1775646
n-Butylbenzene	U		0.245	0.583	1.25	11/17/2021 16:19	WG1775646
sec-Butylbenzene	U		0.134	0.583	1.25	11/17/2021 16:19	WG1775646
tert-Butylbenzene	U		0.0908	0.233	1.25	11/17/2021 16:19	WG1775646
Carbon tetrachloride	U		0.0419	0.233	1.25	11/17/2021 16:19	WG1775646
Chlorobenzene	U		0.00979	0.117	1.25	11/17/2021 16:19	WG1775646
Chlorodibromomethane	U		0.0285	0.117	1.25	11/17/2021 16:19	WG1775646
Chloroethane	U		0.0792	0.233	1.25	11/17/2021 16:19	WG1775646
Chloroform	U		0.0480	0.117	1.25	11/17/2021 16:19	WG1775646
Chloromethane	U		0.203	0.583	1.25	11/17/2021 16:19	WG1775646
2-Chlorotoluene	U		0.0403	0.117	1.25	11/17/2021 16:19	WG1775646
4-Chlorotoluene	U		0.0210	0.233	1.25	11/17/2021 16:19	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.182	1.17	1.25	11/17/2021 16:19	WG1775646
1,2-Dibromoethane	U		0.0301	0.117	1.25	11/17/2021 16:19	WG1775646
Dibromomethane	U		0.0349	0.233	1.25	11/17/2021 16:19	WG1775646
1,2-Dichlorobenzene	U		0.0198	0.233	1.25	11/17/2021 16:19	WG1775646
1,3-Dichlorobenzene	U		0.0280	0.233	1.25	11/17/2021 16:19	WG1775646
1,4-Dichlorobenzene	U		0.0327	0.233	1.25	11/17/2021 16:19	WG1775646
Dichlorodifluoromethane	U		0.0750	0.117	1.25	11/17/2021 16:19	WG1775646
Dichlorofluoromethane	U		0.0583	0.117	1.25	11/17/2021 16:19	WG1775646
1,1-Dichloroethane	U		0.0228	0.117	1.25	11/17/2021 16:19	WG1775646
1,2-Dichloroethane	U		0.0303	0.117	1.25	11/17/2021 16:19	WG1775646
1,1-Dichloroethene	U		0.0282	0.117	1.25	11/17/2021 16:19	WG1775646
cis-1,2-Dichloroethene	0.0371	J	0.0342	0.117	1.25	11/17/2021 16:19	WG1775646
trans-1,2-Dichloroethene	U		0.0485	0.233	1.25	11/17/2021 16:19	WG1775646
1,2-Dichloropropane	U		0.0662	0.233	1.25	11/17/2021 16:19	WG1775646
1,1-Dichloropropene	U		0.0377	0.117	1.25	11/17/2021 16:19	WG1775646
1,3-Dichloropropane	U		0.0234	0.233	1.25	11/17/2021 16:19	WG1775646
cis-1,3-Dichloropropene	U		0.0354	0.117	1.25	11/17/2021 16:19	WG1775646
trans-1,3-Dichloropropene	U		0.0531	0.233	1.25	11/17/2021 16:19	WG1775646
2,2-Dichloropropane	U		0.0643	0.117	1.25	11/17/2021 16:19	WG1775646
Di-isopropyl ether	U		0.0191	0.0467	1.25	11/17/2021 16:19	WG1775646
Ethylbenzene	U		0.0343	0.117	1.25	11/17/2021 16:19	WG1775646
Ethyl ether	U		0.0415	0.117	1.25	11/17/2021 16:19	WG1775646
Hexachloro-1,3-butadiene	U		0.280	1.17	1.25	11/17/2021 16:19	WG1775646
2-Hexanone	U		0.157	1.17	1.25	11/17/2021 16:19	WG1775646
Isopropylbenzene	U		0.0198	0.117	1.25	11/17/2021 16:19	WG1775646
p-Isopropyltoluene	U		0.119	0.233	1.25	11/17/2021 16:19	WG1775646
2-Butanone (MEK)	U		2.95	4.67	1.25	11/17/2021 16:19	WG1775646
Methylene Chloride	U		0.310	1.17	1.25	11/17/2021 16:19	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.106	1.17	1.25	11/17/2021 16:19	WG1775646
Methyl tert-butyl ether	U		0.0163	0.0467	1.25	11/17/2021 16:19	WG1775646
Naphthalene	U		0.228	0.583	1.25	11/17/2021 16:19	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0443	0.233	1.25	11/17/2021 16:19	WG1775646
Styrene	U		0.0107	0.583	1.25	11/17/2021 16:19	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0442	0.117	1.25	11/17/2021 16:19	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0324	0.117	1.25	11/17/2021 16:19	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0352	0.117	1.25	11/17/2021 16:19	WG1775646
Tetrachloroethene	U		0.0418	0.117	1.25	11/17/2021 16:19	WG1775646
Tetrahydrofuran	U		0.164	0.583	1.25	11/17/2021 16:19	WG1775646
Toluene	U		0.0606	0.233	1.25	11/17/2021 16:19	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.342	0.583	1.25	11/17/2021 16:19	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.206	0.583	1.25	11/17/2021 16:19	WG1775646
1,1,1-Trichloroethane	U		0.0430	0.117	1.25	11/17/2021 16:19	WG1775646
1,1,2-Trichloroethane	U		0.0279	0.117	1.25	11/17/2021 16:19	WG1775646
Trichloroethene	2.42		0.0273	0.0467	1.25	11/17/2021 16:19	WG1775646
Trichlorofluoromethane	U		0.0385	0.117	1.25	11/17/2021 16:19	WG1775646
1,2,3-Trichloropropane	U		0.0755	0.583	1.25	11/17/2021 16:19	WG1775646
1,2,4-Trimethylbenzene	U		0.0737	0.233	1.25	11/17/2021 16:19	WG1775646
1,2,3-Trimethylbenzene	U		0.0737	0.233	1.25	11/17/2021 16:19	WG1775646
1,3,5-Trimethylbenzene	U		0.0932	0.233	1.25	11/17/2021 16:19	WG1775646
Vinyl chloride	U		0.0541	0.117	1.25	11/17/2021 16:19	WG1775646
Xylenes, Total	0.0534	J	0.0410	0.303	1.25	11/17/2021 16:19	WG1775646
(S) Toluene-d8	*114*			*75.0-131*		*11/17/2021 16:19*	WG1775646
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*11/17/2021 16:19*	WG1775646
(S) 1,2-Dichloroethane-d4	*93.3*			*70.0-130*		*11/17/2021 16:19*	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	11/17/2021 19:39	WG1775759
Acrolein	U		0.00254	0.0500	1	11/17/2021 19:39	WG1775759
Acrylonitrile	U		0.000671	0.0100	1	11/17/2021 19:39	WG1775759
Allyl chloride	U		0.000500	0.00500	1	11/17/2021 19:39	WG1775759
Benzene	U		0.0000941	0.00100	1	11/17/2021 19:39	WG1775759
Bromobenzene	U		0.000118	0.00100	1	11/17/2021 19:39	WG1775759
Bromodichloromethane	U		0.000136	0.00100	1	11/17/2021 19:39	WG1775759
Bromoform	U		0.000129	0.00100	1	11/17/2021 19:39	WG1775759
Bromomethane	U		0.000605	0.00500	1	11/17/2021 19:39	WG1775759
n-Butylbenzene	U		0.000157	0.00100	1	11/17/2021 19:39	WG1775759
sec-Butylbenzene	U		0.000125	0.00100	1	11/17/2021 19:39	WG1775759
tert-Butylbenzene	U		0.000127	0.00100	1	11/17/2021 19:39	WG1775759
Carbon tetrachloride	U		0.000128	0.00100	1	11/17/2021 19:39	WG1775759
Chlorobenzene	U		0.000116	0.00100	1	11/17/2021 19:39	WG1775759
Chlorodibromomethane	U		0.000140	0.00100	1	11/17/2021 19:39	WG1775759
Chloroethane	U		0.000192	0.00500	1	11/17/2021 19:39	WG1775759
2-Chloroethyl vinyl ether	U		0.000575	0.0500	1	11/17/2021 19:39	WG1775759
Chloroform	U		0.000111	0.00500	1	11/17/2021 19:39	WG1775759
Chloromethane	U		0.000960	0.00250	1	11/17/2021 19:39	WG1775759
2-Chlorotoluene	U		0.000106	0.00100	1	11/17/2021 19:39	WG1775759
4-Chlorotoluene	U		0.000114	0.00100	1	11/17/2021 19:39	WG1775759
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	11/17/2021 19:39	WG1775759
1,2-Dibromoethane	U		0.000126	0.00100	1	11/17/2021 19:39	WG1775759
Dibromomethane	U		0.000122	0.00100	1	11/17/2021 19:39	WG1775759
1,2-Dichlorobenzene	U		0.000107	0.00100	1	11/17/2021 19:39	WG1775759
1,3-Dichlorobenzene	U		0.000110	0.00100	1	11/17/2021 19:39	WG1775759
1,4-Dichlorobenzene	U		0.000120	0.00100	1	11/17/2021 19:39	WG1775759
Dichlorodifluoromethane	U		0.000374	0.00500	1	11/17/2021 19:39	WG1775759
Dichlorofluoromethane	U		0.000130	0.00500	1	11/17/2021 19:39	WG1775759
1,1-Dichloroethane	U		0.000100	0.00100	1	11/17/2021 19:39	WG1775759
1,2-Dichloroethane	U		0.0000819	0.00100	1	11/17/2021 19:39	WG1775759
1,1-Dichloroethene	U		0.000188	0.00100	1	11/17/2021 19:39	WG1775759
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	11/17/2021 19:39	WG1775759
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	11/17/2021 19:39	WG1775759
1,2-Dichloropropane	U		0.000149	0.00100	1	11/17/2021 19:39	WG1775759
1,1-Dichloropropene	U		0.000142	0.00100	1	11/17/2021 19:39	WG1775759
1,3-Dichloropropane	U		0.000110	0.00100	1	11/17/2021 19:39	WG1775759
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	11/17/2021 19:39	WG1775759
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	11/17/2021 19:39	WG1775759
2,2-Dichloropropane	U		0.000161	0.00100	1	11/17/2021 19:39	WG1775759
Di-isopropyl ether	U		0.000105	0.00100	1	11/17/2021 19:39	WG1775759
Ethylbenzene	U		0.000137	0.00100	1	11/17/2021 19:39	WG1775759
Ethyl ether	U		0.000115	0.00100	1	11/17/2021 19:39	WG1775759
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	11/17/2021 19:39	WG1775759
Isopropylbenzene	U		0.000105	0.00100	1	11/17/2021 19:39	WG1775759
p-Isopropyltoluene	U		0.000120	0.00100	1	11/17/2021 19:39	WG1775759
2-Butanone (MEK)	U		0.00119	0.0100	1	11/17/2021 19:39	WG1775759
Methylene Chloride	U		0.000430	0.00500	1	11/17/2021 19:39	WG1775759
2-Hexanone	U		0.000787	0.0100	1	11/17/2021 19:39	WG1775759
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	11/17/2021 19:39	WG1775759
Methyl tert-butyl ether	U		0.000101	0.00100	1	11/17/2021 19:39	WG1775759
Naphthalene	U		0.00100	0.00500	1	11/17/2021 19:39	WG1775759
n-Propylbenzene	U		0.0000993	0.00100	1	11/17/2021 19:39	WG1775759
Styrene	U		0.000118	0.00100	1	11/17/2021 19:39	WG1775759
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	11/17/2021 19:39	WG1775759
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	11/17/2021 19:39	WG1775759

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	11/17/2021 19:39	WG1775759
Tetrachloroethene	U		0.000300	0.00100	1	11/17/2021 19:39	WG1775759
Tetrahydrofuran	U		0.000929	0.00500	1	11/17/2021 19:39	WG1775759
Toluene	U		0.000278	0.00100	1	11/17/2021 19:39	WG1775759
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	11/17/2021 19:39	WG1775759
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	11/17/2021 19:39	WG1775759
1,1,1-Trichloroethane	U		0.000149	0.00100	1	11/17/2021 19:39	WG1775759
1,1,2-Trichloroethane	U		0.000158	0.00100	1	11/17/2021 19:39	WG1775759
Trichloroethene	U		0.000190	0.00100	1	11/17/2021 19:39	WG1775759
Trichlorofluoromethane	U		0.000160	0.00500	1	11/17/2021 19:39	WG1775759
1,2,3-Trichloropropane	U		0.000237	0.00250	1	11/17/2021 19:39	WG1775759
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/17/2021 19:39	WG1775759
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	11/17/2021 19:39	WG1775759
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/17/2021 19:39	WG1775759
Vinyl chloride	U		0.000234	0.00100	1	11/17/2021 19:39	WG1775759
Xylenes, Total	U		0.000174	0.00300	1	11/17/2021 19:39	WG1775759
(S) Toluene-d8	*111*			*80.0-120*		*11/17/2021 19:39*	WG1775759
(S) 4-Bromofluorobenzene	*96.4*			*77.0-126*		*11/17/2021 19:39*	WG1775759
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*11/17/2021 19:39*	WG1775759

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.16	1.59	1	11/17/2021 16:38	WG1775646
Acrylonitrile	U		0.115	0.398	1	11/17/2021 16:38	WG1775646
Allyl chloride	U		0.127	0.794	1	11/17/2021 16:38	WG1775646
Benzene	U		0.0149	0.0317	1	11/17/2021 16:38	WG1775646
Bromobenzene	U		0.0286	0.398	1	11/17/2021 16:38	WG1775646
Bromodichloromethane	U		0.0230	0.0794	1	11/17/2021 16:38	WG1775646
Bromoform	U		0.0372	0.794	1	11/17/2021 16:38	WG1775646
Bromomethane	U		0.0626	0.398	1	11/17/2021 16:38	WG1775646
n-Butylbenzene	U		0.166	0.398	1	11/17/2021 16:38	WG1775646
sec-Butylbenzene	U		0.0914	0.398	1	11/17/2021 16:38	WG1775646
tert-Butylbenzene	U		0.0620	0.159	1	11/17/2021 16:38	WG1775646
Carbon tetrachloride	U		0.0286	0.159	1	11/17/2021 16:38	WG1775646
Chlorobenzene	U		0.00667	0.0794	1	11/17/2021 16:38	WG1775646
Chlorodibromomethane	U		0.0194	0.0794	1	11/17/2021 16:38	WG1775646
Chloroethane	U		0.0540	0.159	1	11/17/2021 16:38	WG1775646
Chloroform	U		0.0328	0.0794	1	11/17/2021 16:38	WG1775646
Chloromethane	U		0.138	0.398	1	11/17/2021 16:38	WG1775646
2-Chlorotoluene	U		0.0274	0.0794	1	11/17/2021 16:38	WG1775646
4-Chlorotoluene	U		0.0144	0.159	1	11/17/2021 16:38	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.124	0.794	1	11/17/2021 16:38	WG1775646
1,2-Dibromoethane	U		0.0206	0.0794	1	11/17/2021 16:38	WG1775646
Dibromomethane	U		0.0239	0.159	1	11/17/2021 16:38	WG1775646
1,2-Dichlorobenzene	U		0.0135	0.159	1	11/17/2021 16:38	WG1775646
1,3-Dichlorobenzene	U		0.0190	0.159	1	11/17/2021 16:38	WG1775646
1,4-Dichlorobenzene	U		0.0222	0.159	1	11/17/2021 16:38	WG1775646
Dichlorodifluoromethane	U		0.0512	0.0794	1	11/17/2021 16:38	WG1775646
Dichlorofluoromethane	U		0.0398	0.0794	1	11/17/2021 16:38	WG1775646
1,1-Dichloroethane	U		0.0156	0.0794	1	11/17/2021 16:38	WG1775646
1,2-Dichloroethane	U		0.0206	0.0794	1	11/17/2021 16:38	WG1775646
1,1-Dichloroethene	U		0.0193	0.0794	1	11/17/2021 16:38	WG1775646
cis-1,2-Dichloroethene	U		0.0234	0.0794	1	11/17/2021 16:38	WG1775646
trans-1,2-Dichloroethene	U		0.0330	0.159	1	11/17/2021 16:38	WG1775646
1,2-Dichloropropane	U		0.0451	0.159	1	11/17/2021 16:38	WG1775646
1,1-Dichloropropene	U		0.0257	0.0794	1	11/17/2021 16:38	WG1775646
1,3-Dichloropropane	U		0.0159	0.159	1	11/17/2021 16:38	WG1775646
cis-1,3-Dichloropropene	U		0.0240	0.0794	1	11/17/2021 16:38	WG1775646
trans-1,3-Dichloropropene	U		0.0362	0.159	1	11/17/2021 16:38	WG1775646
2,2-Dichloropropane	U		0.0438	0.0794	1	11/17/2021 16:38	WG1775646
Di-isopropyl ether	U		0.0131	0.0317	1	11/17/2021 16:38	WG1775646
Ethylbenzene	U		0.0234	0.0794	1	11/17/2021 16:38	WG1775646
Ethyl ether	U		0.0283	0.0794	1	11/17/2021 16:38	WG1775646
Hexachloro-1,3-butadiene	U		0.190	0.794	1	11/17/2021 16:38	WG1775646
2-Hexanone	U		0.107	0.794	1	11/17/2021 16:38	WG1775646
Isopropylbenzene	U		0.0135	0.0794	1	11/17/2021 16:38	WG1775646
p-Isopropyltoluene	U		0.0810	0.159	1	11/17/2021 16:38	WG1775646
2-Butanone (MEK)	U		2.02	3.17	1	11/17/2021 16:38	WG1775646
Methylene Chloride	U		0.211	0.794	1	11/17/2021 16:38	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0724	0.794	1	11/17/2021 16:38	WG1775646
Methyl tert-butyl ether	U		0.0111	0.0317	1	11/17/2021 16:38	WG1775646
Naphthalene	U		0.155	0.398	1	11/17/2021 16:38	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0302	0.159	1	11/17/2021 16:38	WG1775646
Styrene	U		0.00728	0.398	1	11/17/2021 16:38	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0301	0.0794	1	11/17/2021 16:38	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0221	0.0794	1	11/17/2021 16:38	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0240	0.0794	1	11/17/2021 16:38	WG1775646
Tetrachloroethene	U		0.0284	0.0794	1	11/17/2021 16:38	WG1775646
Tetrahydrofuran	U		0.112	0.398	1	11/17/2021 16:38	WG1775646
Toluene	U		0.0413	0.159	1	11/17/2021 16:38	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.232	0.398	1	11/17/2021 16:38	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.140	0.398	1	11/17/2021 16:38	WG1775646
1,1,1-Trichloroethane	U		0.0293	0.0794	1	11/17/2021 16:38	WG1775646
1,1,2-Trichloroethane	U		0.0189	0.0794	1	11/17/2021 16:38	WG1775646
Trichloroethene	4.10		0.185	0.317	10	11/18/2021 14:08	WG1776620
Trichlorofluoromethane	U		0.0263	0.0794	1	11/17/2021 16:38	WG1775646
1,2,3-Trichloropropane	U		0.0514	0.398	1	11/17/2021 16:38	WG1775646
1,2,4-Trimethylbenzene	U		0.0502	0.159	1	11/17/2021 16:38	WG1775646
1,2,3-Trimethylbenzene	U		0.0502	0.159	1	11/17/2021 16:38	WG1775646
1,3,5-Trimethylbenzene	U		0.0635	0.159	1	11/17/2021 16:38	WG1775646
Vinyl chloride	U		0.0368	0.0794	1	11/17/2021 16:38	WG1775646
Xylenes, Total	U		0.0279	0.207	1	11/17/2021 16:38	WG1775646
(S) Toluene-d8	*113*			*75.0-131*		*11/17/2021 16:38*	WG1775646
(S) Toluene-d8	*106*			*75.0-131*		*11/18/2021 14:08*	WG1776620
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*11/17/2021 16:38*	WG1775646
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*11/18/2021 14:08*	WG1776620
(S) 1,2-Dichloroethane-d4	*94.0*			*70.0-130*		*11/17/2021 16:38*	WG1775646
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*11/18/2021 14:08*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	11/17/2021 11:05	WG1775537

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.06	1.45	1	11/17/2021 16:57	WG1775646
Acrylonitrile	U		0.104	0.362	1	11/17/2021 16:57	WG1775646
Allyl chloride	U		0.116	0.723	1	11/17/2021 16:57	WG1775646
Benzene	U		0.0135	0.0289	1	11/17/2021 16:57	WG1775646
Bromobenzene	U		0.0260	0.362	1	11/17/2021 16:57	WG1775646
Bromodichloromethane	U		0.0209	0.0723	1	11/17/2021 16:57	WG1775646
Bromoform	U		0.0339	0.723	1	11/17/2021 16:57	WG1775646
Bromomethane	U		0.0570	0.362	1	11/17/2021 16:57	WG1775646
n-Butylbenzene	U		0.152	0.362	1	11/17/2021 16:57	WG1775646
sec-Butylbenzene	U		0.0833	0.362	1	11/17/2021 16:57	WG1775646
tert-Butylbenzene	U		0.0565	0.145	1	11/17/2021 16:57	WG1775646
Carbon tetrachloride	U		0.0260	0.145	1	11/17/2021 16:57	WG1775646
Chlorobenzene	U		0.00607	0.0723	1	11/17/2021 16:57	WG1775646
Chlorodibromomethane	U		0.0177	0.0723	1	11/17/2021 16:57	WG1775646
Chloroethane	U		0.0492	0.145	1	11/17/2021 16:57	WG1775646
Chloroform	U		0.0298	0.0723	1	11/17/2021 16:57	WG1775646
Chloromethane	U		0.126	0.362	1	11/17/2021 16:57	WG1775646
2-Chlorotoluene	U		0.0250	0.0723	1	11/17/2021 16:57	WG1775646
4-Chlorotoluene	U		0.0131	0.145	1	11/17/2021 16:57	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.113	0.723	1	11/17/2021 16:57	WG1775646
1,2-Dibromoethane	U		0.0187	0.0723	1	11/17/2021 16:57	WG1775646
Dibromomethane	U		0.0217	0.145	1	11/17/2021 16:57	WG1775646
1,2-Dichlorobenzene	U		0.0123	0.145	1	11/17/2021 16:57	WG1775646
1,3-Dichlorobenzene	U		0.0174	0.145	1	11/17/2021 16:57	WG1775646
1,4-Dichlorobenzene	U		0.0202	0.145	1	11/17/2021 16:57	WG1775646
Dichlorodifluoromethane	U		0.0466	0.0723	1	11/17/2021 16:57	WG1775646
Dichlorofluoromethane	U		0.0362	0.0723	1	11/17/2021 16:57	WG1775646
1,1-Dichloroethane	U		0.0142	0.0723	1	11/17/2021 16:57	WG1775646
1,2-Dichloroethane	U		0.0187	0.0723	1	11/17/2021 16:57	WG1775646
1,1-Dichloroethene	U		0.0176	0.0723	1	11/17/2021 16:57	WG1775646
cis-1,2-Dichloroethene	U		0.0213	0.0723	1	11/17/2021 16:57	WG1775646
trans-1,2-Dichloroethene	U		0.0301	0.145	1	11/17/2021 16:57	WG1775646
1,2-Dichloropropane	U		0.0411	0.145	1	11/17/2021 16:57	WG1775646
1,1-Dichloropropene	U		0.0234	0.0723	1	11/17/2021 16:57	WG1775646
1,3-Dichloropropane	U		0.0145	0.145	1	11/17/2021 16:57	WG1775646
cis-1,3-Dichloropropene	U		0.0219	0.0723	1	11/17/2021 16:57	WG1775646
trans-1,3-Dichloropropene	U		0.0330	0.145	1	11/17/2021 16:57	WG1775646
2,2-Dichloropropane	U		0.0399	0.0723	1	11/17/2021 16:57	WG1775646
Di-isopropyl ether	U		0.0119	0.0289	1	11/17/2021 16:57	WG1775646
Ethylbenzene	U		0.0213	0.0723	1	11/17/2021 16:57	WG1775646
Ethyl ether	U		0.0258	0.0723	1	11/17/2021 16:57	WG1775646
Hexachloro-1,3-butadiene	U		0.174	0.723	1	11/17/2021 16:57	WG1775646
2-Hexanone	U		0.0972	0.723	1	11/17/2021 16:57	WG1775646
Isopropylbenzene	U		0.0123	0.0723	1	11/17/2021 16:57	WG1775646
p-Isopropyltoluene	U		0.0738	0.145	1	11/17/2021 16:57	WG1775646
2-Butanone (MEK)	U		1.84	2.89	1	11/17/2021 16:57	WG1775646
Methylene Chloride	U		0.192	0.723	1	11/17/2021 16:57	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0659	0.723	1	11/17/2021 16:57	WG1775646
Methyl tert-butyl ether	U		0.0101	0.0289	1	11/17/2021 16:57	WG1775646
Naphthalene	U		0.141	0.362	1	11/17/2021 16:57	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0275	0.145	1	11/17/2021 16:57	WG1775646
Styrene	U		0.00663	0.362	1	11/17/2021 16:57	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0274	0.0723	1	11/17/2021 16:57	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0201	0.0723	1	11/17/2021 16:57	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0219	0.0723	1	11/17/2021 16:57	WG1775646
Tetrachloroethene	U		0.0259	0.0723	1	11/17/2021 16:57	WG1775646
Tetrahydrofuran	U		0.102	0.362	1	11/17/2021 16:57	WG1775646
Toluene	U		0.0376	0.145	1	11/17/2021 16:57	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.212	0.362	1	11/17/2021 16:57	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.127	0.362	1	11/17/2021 16:57	WG1775646
1,1,1-Trichloroethane	U		0.0267	0.0723	1	11/17/2021 16:57	WG1775646
1,1,2-Trichloroethane	U		0.0172	0.0723	1	11/17/2021 16:57	WG1775646
Trichloroethene	0.162		0.0169	0.0289	1	11/18/2021 12:52	WG1776620
Trichlorofluoromethane	U		0.0239	0.0723	1	11/17/2021 16:57	WG1775646
1,2,3-Trichloropropane	U		0.0469	0.362	1	11/17/2021 16:57	WG1775646
1,2,4-Trimethylbenzene	U		0.0457	0.145	1	11/17/2021 16:57	WG1775646
1,2,3-Trimethylbenzene	U		0.0457	0.145	1	11/17/2021 16:57	WG1775646
1,3,5-Trimethylbenzene	U		0.0578	0.145	1	11/17/2021 16:57	WG1775646
Vinyl chloride	U		0.0335	0.0723	1	11/17/2021 16:57	WG1775646
Xylenes, Total	U		0.0255	0.189	1	11/17/2021 16:57	WG1775646
(S) Toluene-d8	*111*			*75.0-131*		*11/17/2021 16:57*	WG1775646
(S) Toluene-d8	*113*			*75.0-131*		*11/18/2021 12:52*	WG1776620
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*		*11/17/2021 16:57*	WG1775646
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*11/18/2021 12:52*	WG1776620
(S) 1,2-Dichloroethane-d4	*89.1*			*70.0-130*		*11/17/2021 16:57*	WG1775646
(S) 1,2-Dichloroethane-d4	*84.4*			*70.0-130*		*11/18/2021 12:52*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.31	1.79	1.31	11/17/2021 17:16	WG1775646
Acrylonitrile	U		0.129	0.446	1.31	11/17/2021 17:16	WG1775646
Allyl chloride	U		0.143	0.894	1.31	11/17/2021 17:16	WG1775646
Benzene	0.0372		0.0167	0.0358	1.31	11/17/2021 17:16	WG1775646
Bromobenzene	U		0.0322	0.446	1.31	11/17/2021 17:16	WG1775646
Bromodichloromethane	U		0.0259	0.0894	1.31	11/17/2021 17:16	WG1775646
Bromoform	U		0.0418	0.894	1.31	11/17/2021 17:16	WG1775646
Bromomethane	U		0.0704	0.446	1.31	11/17/2021 17:16	WG1775646
n-Butylbenzene	U		0.188	0.446	1.31	11/17/2021 17:16	WG1775646
sec-Butylbenzene	U		0.103	0.446	1.31	11/17/2021 17:16	WG1775646
tert-Butylbenzene	U		0.0698	0.179	1.31	11/17/2021 17:16	WG1775646
Carbon tetrachloride	0.0464	J	0.0321	0.179	1.31	11/17/2021 17:16	WG1775646
Chlorobenzene	U		0.00751	0.0894	1.31	11/17/2021 17:16	WG1775646
Chlorodibromomethane	U		0.0218	0.0894	1.31	11/17/2021 17:16	WG1775646
Chloroethane	U		0.0608	0.179	1.31	11/17/2021 17:16	WG1775646
Chloroform	U		0.0368	0.0894	1.31	11/17/2021 17:16	WG1775646
Chloromethane	U		0.155	0.446	1.31	11/17/2021 17:16	WG1775646
2-Chlorotoluene	U		0.0309	0.0894	1.31	11/17/2021 17:16	WG1775646
4-Chlorotoluene	U		0.0160	0.179	1.31	11/17/2021 17:16	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.140	0.894	1.31	11/17/2021 17:16	WG1775646
1,2-Dibromoethane	U		0.0231	0.0894	1.31	11/17/2021 17:16	WG1775646
Dibromomethane	U		0.0269	0.179	1.31	11/17/2021 17:16	WG1775646
1,2-Dichlorobenzene	U		0.0152	0.179	1.31	11/17/2021 17:16	WG1775646
1,3-Dichlorobenzene	U		0.0215	0.179	1.31	11/17/2021 17:16	WG1775646
1,4-Dichlorobenzene	U		0.0250	0.179	1.31	11/17/2021 17:16	WG1775646
Dichlorodifluoromethane	U		0.0575	0.0894	1.31	11/17/2021 17:16	WG1775646
Dichlorofluoromethane	U		0.0446	0.0894	1.31	11/17/2021 17:16	WG1775646
1,1-Dichloroethane	U		0.0176	0.0894	1.31	11/17/2021 17:16	WG1775646
1,2-Dichloroethane	U		0.0233	0.0894	1.31	11/17/2021 17:16	WG1775646
1,1-Dichloroethene	U		0.0216	0.0894	1.31	11/17/2021 17:16	WG1775646
cis-1,2-Dichloroethene	0.0383	J	0.0262	0.0894	1.31	11/17/2021 17:16	WG1775646
trans-1,2-Dichloroethene	U		0.0372	0.179	1.31	11/17/2021 17:16	WG1775646
1,2-Dichloropropane	U		0.0508	0.179	1.31	11/17/2021 17:16	WG1775646
1,1-Dichloropropene	U		0.0289	0.0894	1.31	11/17/2021 17:16	WG1775646
1,3-Dichloropropane	U		0.0179	0.179	1.31	11/17/2021 17:16	WG1775646
cis-1,3-Dichloropropene	U		0.0271	0.0894	1.31	11/17/2021 17:16	WG1775646
trans-1,3-Dichloropropene	U		0.0407	0.179	1.31	11/17/2021 17:16	WG1775646
2,2-Dichloropropane	U		0.0493	0.0894	1.31	11/17/2021 17:16	WG1775646
Di-isopropyl ether	U		0.0146	0.0358	1.31	11/17/2021 17:16	WG1775646
Ethylbenzene	0.0513	J	0.0263	0.0894	1.31	11/17/2021 17:16	WG1775646
Ethyl ether	U		0.0319	0.0894	1.31	11/17/2021 17:16	WG1775646
Hexachloro-1,3-butadiene	U		0.215	0.894	1.31	11/17/2021 17:16	WG1775646
2-Hexanone	U		0.120	0.894	1.31	11/17/2021 17:16	WG1775646
Isopropylbenzene	0.0237	J	0.0152	0.0894	1.31	11/17/2021 17:16	WG1775646
p-Isopropyltoluene	U		0.0911	0.179	1.31	11/17/2021 17:16	WG1775646
2-Butanone (MEK)	U		2.27	3.58	1.31	11/17/2021 17:16	WG1775646
Methylene Chloride	U		0.237	0.894	1.31	11/17/2021 17:16	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0815	0.894	1.31	11/17/2021 17:16	WG1775646
Methyl tert-butyl ether	U		0.0126	0.0358	1.31	11/17/2021 17:16	WG1775646
Naphthalene	U		0.175	0.446	1.31	11/17/2021 17:16	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0339	0.179	1.31	11/17/2021 17:16	WG1775646
Styrene	U		0.00819	0.446	1.31	11/17/2021 17:16	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0338	0.0894	1.31	11/17/2021 17:16	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0249	0.0894	1.31	11/17/2021 17:16	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0270	0.0894	1.31	11/17/2021 17:16	WG1775646
Tetrachloroethene	0.0605	J	0.0320	0.0894	1.31	11/17/2021 17:16	WG1775646
Tetrahydrofuran	U		0.126	0.446	1.31	11/17/2021 17:16	WG1775646
Toluene	0.227		0.0465	0.179	1.31	11/17/2021 17:16	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.262	0.446	1.31	11/17/2021 17:16	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.157	0.446	1.31	11/17/2021 17:16	WG1775646
1,1,1-Trichloroethane	0.343		0.0330	0.0894	1.31	11/17/2021 17:16	WG1775646
1,1,2-Trichloroethane	U		0.0214	0.0894	1.31	11/17/2021 17:16	WG1775646
Trichloroethene	74.9		2.08	3.58	131	11/18/2021 14:26	WG1776620
Trichlorofluoromethane	U		0.0296	0.0894	1.31	11/17/2021 17:16	WG1775646
1,2,3-Trichloropropane	U		0.0580	0.446	1.31	11/17/2021 17:16	WG1775646
1,2,4-Trimethylbenzene	0.0930	J	0.0564	0.179	1.31	11/17/2021 17:16	WG1775646
1,2,3-Trimethylbenzene	0.0651	J	0.0564	0.179	1.31	11/17/2021 17:16	WG1775646
1,3,5-Trimethylbenzene	U		0.0715	0.179	1.31	11/17/2021 17:16	WG1775646
Vinyl chloride	U		0.0415	0.0894	1.31	11/17/2021 17:16	WG1775646
Xylenes, Total	0.257		0.0314	0.233	1.31	11/17/2021 17:16	WG1775646
(S) Toluene-d8	*117*			*75.0-131*		*11/17/2021 17:16*	WG1775646
(S) Toluene-d8	*106*			*75.0-131*		*11/18/2021 14:26*	WG1776620
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/17/2021 17:16*	WG1775646
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*11/18/2021 14:26*	WG1776620
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*11/17/2021 17:16*	WG1775646
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*11/18/2021 14:26*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.23	1.69	1.06	11/17/2021 17:34	WG1775646
Acrylonitrile	U		0.122	0.421	1.06	11/17/2021 17:34	WG1775646
Allyl chloride	U		0.135	0.843	1.06	11/17/2021 17:34	WG1775646
Benzene	U		0.0158	0.0337	1.06	11/17/2021 17:34	WG1775646
Bromobenzene	U		0.0304	0.421	1.06	11/17/2021 17:34	WG1775646
Bromodichloromethane	U		0.0244	0.0843	1.06	11/17/2021 17:34	WG1775646
Bromoform	U		0.0394	0.843	1.06	11/17/2021 17:34	WG1775646
Bromomethane	U		0.0663	0.421	1.06	11/17/2021 17:34	WG1775646
n-Butylbenzene	U		0.177	0.421	1.06	11/17/2021 17:34	WG1775646
sec-Butylbenzene	U		0.0970	0.421	1.06	11/17/2021 17:34	WG1775646
tert-Butylbenzene	U		0.0657	0.169	1.06	11/17/2021 17:34	WG1775646
Carbon tetrachloride	U		0.0302	0.169	1.06	11/17/2021 17:34	WG1775646
Chlorobenzene	U		0.00707	0.0843	1.06	11/17/2021 17:34	WG1775646
Chlorodibromomethane	U		0.0206	0.0843	1.06	11/17/2021 17:34	WG1775646
Chloroethane	U		0.0573	0.169	1.06	11/17/2021 17:34	WG1775646
Chloroform	U		0.0347	0.0843	1.06	11/17/2021 17:34	WG1775646
Chloromethane	U		0.146	0.421	1.06	11/17/2021 17:34	WG1775646
2-Chlorotoluene	U		0.0291	0.0843	1.06	11/17/2021 17:34	WG1775646
4-Chlorotoluene	U		0.0151	0.169	1.06	11/17/2021 17:34	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.131	0.843	1.06	11/17/2021 17:34	WG1775646
1,2-Dibromoethane	U		0.0219	0.0843	1.06	11/17/2021 17:34	WG1775646
Dibromomethane	U		0.0253	0.169	1.06	11/17/2021 17:34	WG1775646
1,2-Dichlorobenzene	U		0.0144	0.169	1.06	11/17/2021 17:34	WG1775646
1,3-Dichlorobenzene	U		0.0202	0.169	1.06	11/17/2021 17:34	WG1775646
1,4-Dichlorobenzene	U		0.0236	0.169	1.06	11/17/2021 17:34	WG1775646
Dichlorodifluoromethane	U		0.0543	0.0843	1.06	11/17/2021 17:34	WG1775646
Dichlorofluoromethane	U		0.0421	0.0843	1.06	11/17/2021 17:34	WG1775646
1,1-Dichloroethane	U		0.0165	0.0843	1.06	11/17/2021 17:34	WG1775646
1,2-Dichloroethane	U		0.0219	0.0843	1.06	11/17/2021 17:34	WG1775646
1,1-Dichloroethene	U		0.0205	0.0843	1.06	11/17/2021 17:34	WG1775646
cis-1,2-Dichloroethene	U		0.0248	0.0843	1.06	11/17/2021 17:34	WG1775646
trans-1,2-Dichloroethene	U		0.0351	0.169	1.06	11/17/2021 17:34	WG1775646
1,2-Dichloropropane	U		0.0478	0.169	1.06	11/17/2021 17:34	WG1775646
1,1-Dichloropropene	U		0.0272	0.0843	1.06	11/17/2021 17:34	WG1775646
1,3-Dichloropropane	U		0.0169	0.169	1.06	11/17/2021 17:34	WG1775646
cis-1,3-Dichloropropene	U		0.0255	0.0843	1.06	11/17/2021 17:34	WG1775646
trans-1,3-Dichloropropene	U		0.0384	0.169	1.06	11/17/2021 17:34	WG1775646
2,2-Dichloropropane	U		0.0465	0.0843	1.06	11/17/2021 17:34	WG1775646
Di-isopropyl ether	U		0.0139	0.0337	1.06	11/17/2021 17:34	WG1775646
Ethylbenzene	U		0.0248	0.0843	1.06	11/17/2021 17:34	WG1775646
Ethyl ether	U		0.0300	0.0843	1.06	11/17/2021 17:34	WG1775646
Hexachloro-1,3-butadiene	U		0.202	0.843	1.06	11/17/2021 17:34	WG1775646
2-Hexanone	U		0.113	0.843	1.06	11/17/2021 17:34	WG1775646
Isopropylbenzene	U		0.0144	0.0843	1.06	11/17/2021 17:34	WG1775646
p-Isopropyltoluene	U		0.0859	0.169	1.06	11/17/2021 17:34	WG1775646
2-Butanone (MEK)	U		2.13	3.37	1.06	11/17/2021 17:34	WG1775646
Methylene Chloride	U		0.224	0.843	1.06	11/17/2021 17:34	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0768	0.843	1.06	11/17/2021 17:34	WG1775646
Methyl tert-butyl ether	U		0.0118	0.0337	1.06	11/17/2021 17:34	WG1775646
Naphthalene	U		0.164	0.421	1.06	11/17/2021 17:34	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0320	0.169	1.06	11/17/2021 17:34	WG1775646
Styrene	U		0.00771	0.421	1.06	11/17/2021 17:34	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0319	0.0843	1.06	11/17/2021 17:34	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0234	0.0843	1.06	11/17/2021 17:34	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0254	0.0843	1.06	11/17/2021 17:34	WG1775646
Tetrachloroethene	U		0.0301	0.0843	1.06	11/17/2021 17:34	WG1775646
Tetrahydrofuran	U		0.119	0.421	1.06	11/17/2021 17:34	WG1775646
Toluene	U		0.0438	0.169	1.06	11/17/2021 17:34	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.247	0.421	1.06	11/17/2021 17:34	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.149	0.421	1.06	11/17/2021 17:34	WG1775646
1,1,1-Trichloroethane	0.0361	J	0.0311	0.0843	1.06	11/17/2021 17:34	WG1775646
1,1,2-Trichloroethane	U		0.0201	0.0843	1.06	11/17/2021 17:34	WG1775646
Trichloroethene	10.2		0.394	0.673	21.2	11/18/2021 14:45	WG1776620
Trichlorofluoromethane	U		0.0278	0.0843	1.06	11/17/2021 17:34	WG1775646
1,2,3-Trichloropropane	U		0.0545	0.421	1.06	11/17/2021 17:34	WG1775646
1,2,4-Trimethylbenzene	U		0.0532	0.169	1.06	11/17/2021 17:34	WG1775646
1,2,3-Trimethylbenzene	U		0.0532	0.169	1.06	11/17/2021 17:34	WG1775646
1,3,5-Trimethylbenzene	U		0.0673	0.169	1.06	11/17/2021 17:34	WG1775646
Vinyl chloride	U		0.0390	0.0843	1.06	11/17/2021 17:34	WG1775646
Xylenes, Total	0.0403	J	0.0296	0.219	1.06	11/17/2021 17:34	WG1775646
(S) Toluene-d8	*113*			*75.0-131*		*11/17/2021 17:34*	WG1775646
(S) Toluene-d8	*110*			*75.0-131*		*11/18/2021 14:45*	WG1776620
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/17/2021 17:34*	WG1775646
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*11/18/2021 14:45*	WG1776620
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*11/17/2021 17:34*	WG1775646
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*11/18/2021 14:45*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	65.2		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		2.23	3.05	1.59	11/17/2021 17:53	WG1775646
Acrylonitrile	U		0.219	0.763	1.59	11/17/2021 17:53	WG1775646
Allyl chloride	U		0.244	1.53	1.59	11/17/2021 17:53	WG1775646
Benzene	U		0.0285	0.0611	1.59	11/17/2021 17:53	WG1775646
Bromobenzene	U		0.0549	0.763	1.59	11/17/2021 17:53	WG1775646
Bromodichloromethane	U		0.0442	0.153	1.59	11/17/2021 17:53	WG1775646
Bromoform	U		0.0714	1.53	1.59	11/17/2021 17:53	WG1775646
Bromomethane	U		0.120	0.763	1.59	11/17/2021 17:53	WG1775646
n-Butylbenzene	U		0.321	0.763	1.59	11/17/2021 17:53	WG1775646
sec-Butylbenzene	U		0.175	0.763	1.59	11/17/2021 17:53	WG1775646
tert-Butylbenzene	U		0.119	0.305	1.59	11/17/2021 17:53	WG1775646
Carbon tetrachloride	U		0.0548	0.305	1.59	11/17/2021 17:53	WG1775646
Chlorobenzene	U		0.0128	0.153	1.59	11/17/2021 17:53	WG1775646
Chlorodibromomethane	U		0.0373	0.153	1.59	11/17/2021 17:53	WG1775646
Chloroethane	U		0.104	0.305	1.59	11/17/2021 17:53	WG1775646
Chloroform	U		0.0628	0.153	1.59	11/17/2021 17:53	WG1775646
Chloromethane	U		0.266	0.763	1.59	11/17/2021 17:53	WG1775646
2-Chlorotoluene	U		0.0528	0.153	1.59	11/17/2021 17:53	WG1775646
4-Chlorotoluene	U		0.0275	0.305	1.59	11/17/2021 17:53	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.238	1.53	1.59	11/17/2021 17:53	WG1775646
1,2-Dibromoethane	U		0.0396	0.153	1.59	11/17/2021 17:53	WG1775646
Dibromomethane	U		0.0457	0.305	1.59	11/17/2021 17:53	WG1775646
1,2-Dichlorobenzene	U		0.0259	0.305	1.59	11/17/2021 17:53	WG1775646
1,3-Dichlorobenzene	U		0.0367	0.305	1.59	11/17/2021 17:53	WG1775646
1,4-Dichlorobenzene	U		0.0427	0.305	1.59	11/17/2021 17:53	WG1775646
Dichlorodifluoromethane	U		0.0982	0.153	1.59	11/17/2021 17:53	WG1775646
Dichlorofluoromethane	U		0.0763	0.153	1.59	11/17/2021 17:53	WG1775646
1,1-Dichloroethane	U		0.0299	0.153	1.59	11/17/2021 17:53	WG1775646
1,2-Dichloroethane	U		0.0396	0.153	1.59	11/17/2021 17:53	WG1775646
1,1-Dichloroethene	U		0.0370	0.153	1.59	11/17/2021 17:53	WG1775646
cis-1,2-Dichloroethene	0.150	J	0.0448	0.153	1.59	11/17/2021 17:53	WG1775646
trans-1,2-Dichloroethene	U		0.0634	0.305	1.59	11/17/2021 17:53	WG1775646
1,2-Dichloropropane	U		0.0866	0.305	1.59	11/17/2021 17:53	WG1775646
1,1-Dichloropropene	U		0.0494	0.153	1.59	11/17/2021 17:53	WG1775646
1,3-Dichloropropane	U		0.0305	0.305	1.59	11/17/2021 17:53	WG1775646
cis-1,3-Dichloropropene	U		0.0462	0.153	1.59	11/17/2021 17:53	WG1775646
trans-1,3-Dichloropropene	U		0.0695	0.305	1.59	11/17/2021 17:53	WG1775646
2,2-Dichloropropane	U		0.0843	0.153	1.59	11/17/2021 17:53	WG1775646
Di-isopropyl ether	U		0.0250	0.0611	1.59	11/17/2021 17:53	WG1775646
Ethylbenzene	U		0.0450	0.153	1.59	11/17/2021 17:53	WG1775646
Ethyl ether	U		0.0543	0.153	1.59	11/17/2021 17:53	WG1775646
Hexachloro-1,3-butadiene	U		0.367	1.53	1.59	11/17/2021 17:53	WG1775646
2-Hexanone	U		0.206	1.53	1.59	11/17/2021 17:53	WG1775646
Isopropylbenzene	U		0.0259	0.153	1.59	11/17/2021 17:53	WG1775646
p-Isopropyltoluene	U		0.155	0.305	1.59	11/17/2021 17:53	WG1775646
2-Butanone (MEK)	U		3.87	6.11	1.59	11/17/2021 17:53	WG1775646
Methylene Chloride	U		0.405	1.53	1.59	11/17/2021 17:53	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.139	1.53	1.59	11/17/2021 17:53	WG1775646
Methyl tert-butyl ether	U		0.0213	0.0611	1.59	11/17/2021 17:53	WG1775646
Naphthalene	U		0.298	0.763	1.59	11/17/2021 17:53	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0580	0.305	1.59	11/17/2021 17:53	WG1775646
Styrene	U		0.0140	0.763	1.59	11/17/2021 17:53	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0579	0.153	1.59	11/17/2021 17:53	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0424	0.153	1.59	11/17/2021 17:53	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0460	0.153	1.59	11/17/2021 17:53	WG1775646
Tetrachloroethene	U		0.0546	0.153	1.59	11/17/2021 17:53	WG1775646
Tetrahydrofuran	U		0.215	0.763	1.59	11/17/2021 17:53	WG1775646
Toluene	U		0.0794	0.305	1.59	11/17/2021 17:53	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.447	0.763	1.59	11/17/2021 17:53	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.269	0.763	1.59	11/17/2021 17:53	WG1775646
1,1,1-Trichloroethane	0.373		0.0563	0.153	1.59	11/17/2021 17:53	WG1775646
1,1,2-Trichloroethane	U		0.0364	0.153	1.59	11/17/2021 17:53	WG1775646
Trichloroethene	5.19		0.0356	0.0611	1.59	11/17/2021 17:53	WG1775646
Trichlorofluoromethane	U		0.0505	0.153	1.59	11/17/2021 17:53	WG1775646
1,2,3-Trichloropropane	U		0.0988	0.763	1.59	11/17/2021 17:53	WG1775646
1,2,4-Trimethylbenzene	U		0.0964	0.305	1.59	11/17/2021 17:53	WG1775646
1,2,3-Trimethylbenzene	U		0.0964	0.305	1.59	11/17/2021 17:53	WG1775646
1,3,5-Trimethylbenzene	U		0.122	0.305	1.59	11/17/2021 17:53	WG1775646
Vinyl chloride	U		0.0708	0.153	1.59	11/17/2021 17:53	WG1775646
Xylenes, Total	U		0.0537	0.396	1.59	11/17/2021 17:53	WG1775646
(S) Toluene-d8	*116*			*75.0-131*		*11/17/2021 17:53*	WG1775646
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*11/17/2021 17:53*	WG1775646
(S) 1,2-Dichloroethane-d4	*91.9*			*70.0-130*		*11/17/2021 17:53*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.3		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.10	1.50	1	11/17/2021 18:12	WG1775646
Acrylonitrile	U		0.108	0.376	1	11/17/2021 18:12	WG1775646
Allyl chloride	U		0.120	0.750	1	11/17/2021 18:12	WG1775646
Benzene	U		0.0140	0.0300	1	11/17/2021 18:12	WG1775646
Bromobenzene	U		0.0270	0.376	1	11/17/2021 18:12	WG1775646
Bromodichloromethane	U		0.0217	0.0750	1	11/17/2021 18:12	WG1775646
Bromoform	U		0.0352	0.750	1	11/17/2021 18:12	WG1775646
Bromomethane	U		0.0592	0.376	1	11/17/2021 18:12	WG1775646
n-Butylbenzene	U		0.157	0.376	1	11/17/2021 18:12	WG1775646
sec-Butylbenzene	U		0.0865	0.376	1	11/17/2021 18:12	WG1775646
tert-Butylbenzene	U		0.0586	0.150	1	11/17/2021 18:12	WG1775646
Carbon tetrachloride	U		0.0270	0.150	1	11/17/2021 18:12	WG1775646
Chlorobenzene	U		0.00630	0.0750	1	11/17/2021 18:12	WG1775646
Chlorodibromomethane	U		0.0184	0.0750	1	11/17/2021 18:12	WG1775646
Chloroethane	U		0.0510	0.150	1	11/17/2021 18:12	WG1775646
Chloroform	U		0.0310	0.0750	1	11/17/2021 18:12	WG1775646
Chloromethane	U		0.131	0.376	1	11/17/2021 18:12	WG1775646
2-Chlorotoluene	U		0.0259	0.0750	1	11/17/2021 18:12	WG1775646
4-Chlorotoluene	U		0.0136	0.150	1	11/17/2021 18:12	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.117	0.750	1	11/17/2021 18:12	WG1775646
1,2-Dibromoethane	U		0.0195	0.0750	1	11/17/2021 18:12	WG1775646
Dibromomethane	U		0.0226	0.150	1	11/17/2021 18:12	WG1775646
1,2-Dichlorobenzene	U		0.0127	0.150	1	11/17/2021 18:12	WG1775646
1,3-Dichlorobenzene	U		0.0180	0.150	1	11/17/2021 18:12	WG1775646
1,4-Dichlorobenzene	U		0.0210	0.150	1	11/17/2021 18:12	WG1775646
Dichlorodifluoromethane	U		0.0484	0.0750	1	11/17/2021 18:12	WG1775646
Dichlorofluoromethane	U		0.0376	0.0750	1	11/17/2021 18:12	WG1775646
1,1-Dichloroethane	U		0.0148	0.0750	1	11/17/2021 18:12	WG1775646
1,2-Dichloroethane	U		0.0195	0.0750	1	11/17/2021 18:12	WG1775646
1,1-Dichloroethene	U		0.0183	0.0750	1	11/17/2021 18:12	WG1775646
cis-1,2-Dichloroethene	U		0.0221	0.0750	1	11/17/2021 18:12	WG1775646
trans-1,2-Dichloroethene	U		0.0312	0.150	1	11/17/2021 18:12	WG1775646
1,2-Dichloropropane	U		0.0426	0.150	1	11/17/2021 18:12	WG1775646
1,1-Dichloropropene	U		0.0243	0.0750	1	11/17/2021 18:12	WG1775646
1,3-Dichloropropane	U		0.0150	0.150	1	11/17/2021 18:12	WG1775646
cis-1,3-Dichloropropene	U		0.0227	0.0750	1	11/17/2021 18:12	WG1775646
trans-1,3-Dichloropropene	U		0.0342	0.150	1	11/17/2021 18:12	WG1775646
2,2-Dichloropropane	U		0.0414	0.0750	1	11/17/2021 18:12	WG1775646
Di-isopropyl ether	U		0.0124	0.0300	1	11/17/2021 18:12	WG1775646
Ethylbenzene	U		0.0221	0.0750	1	11/17/2021 18:12	WG1775646
Ethyl ether	U		0.0268	0.0750	1	11/17/2021 18:12	WG1775646
Hexachloro-1,3-butadiene	U		0.180	0.750	1	11/17/2021 18:12	WG1775646
2-Hexanone	U		0.101	0.750	1	11/17/2021 18:12	WG1775646
Isopropylbenzene	U		0.0127	0.0750	1	11/17/2021 18:12	WG1775646
p-Isopropyltoluene	U		0.0766	0.150	1	11/17/2021 18:12	WG1775646
2-Butanone (MEK)	U		1.91	3.00	1	11/17/2021 18:12	WG1775646
Methylene Chloride	U		0.199	0.750	1	11/17/2021 18:12	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.0684	0.750	1	11/17/2021 18:12	WG1775646
Methyl tert-butyl ether	U		0.0105	0.0300	1	11/17/2021 18:12	WG1775646
Naphthalene	U		0.146	0.376	1	11/17/2021 18:12	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0286	0.150	1	11/17/2021 18:12	WG1775646
Styrene	U		0.00688	0.376	1	11/17/2021 18:12	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0285	0.0750	1	11/17/2021 18:12	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0209	0.0750	1	11/17/2021 18:12	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0227	0.0750	1	11/17/2021 18:12	WG1775646
Tetrachloroethene	U		0.0269	0.0750	1	11/17/2021 18:12	WG1775646
Tetrahydrofuran	U		0.106	0.376	1	11/17/2021 18:12	WG1775646
Toluene	U		0.0390	0.150	1	11/17/2021 18:12	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.220	0.376	1	11/17/2021 18:12	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.132	0.376	1	11/17/2021 18:12	WG1775646
1,1,1-Trichloroethane	U		0.0277	0.0750	1	11/17/2021 18:12	WG1775646
1,1,2-Trichloroethane	U		0.0179	0.0750	1	11/17/2021 18:12	WG1775646
Trichloroethene	0.161		0.0175	0.0300	1	11/17/2021 18:12	WG1775646
Trichlorofluoromethane	U		0.0249	0.0750	1	11/17/2021 18:12	WG1775646
1,2,3-Trichloropropane	U		0.0486	0.376	1	11/17/2021 18:12	WG1775646
1,2,4-Trimethylbenzene	U		0.0474	0.150	1	11/17/2021 18:12	WG1775646
1,2,3-Trimethylbenzene	U		0.0474	0.150	1	11/17/2021 18:12	WG1775646
1,3,5-Trimethylbenzene	U		0.0600	0.150	1	11/17/2021 18:12	WG1775646
Vinyl chloride	U		0.0348	0.0750	1	11/17/2021 18:12	WG1775646
Xylenes, Total	U		0.0264	0.196	1	11/17/2021 18:12	WG1775646
(S) Toluene-d8	*114*			*75.0-131*		*11/17/2021 18:12*	WG1775646
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*11/17/2021 18:12*	WG1775646
(S) 1,2-Dichloroethane-d4	*93.6*			*70.0-130*		*11/17/2021 18:12*	WG1775646

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.6		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		2.13	2.92	1.62	11/17/2021 18:31	WG1775646
Acrylonitrile	U		0.210	0.727	1.62	11/17/2021 18:31	WG1775646
Allyl chloride	U		0.233	1.45	1.62	11/17/2021 18:31	WG1775646
Benzene	U		0.0271	0.0582	1.62	11/17/2021 18:31	WG1775646
Bromobenzene	U		0.0524	0.727	1.62	11/17/2021 18:31	WG1775646
Bromodichloromethane	U		0.0422	0.145	1.62	11/17/2021 18:31	WG1775646
Bromoform	U		0.0681	1.45	1.62	11/17/2021 18:31	WG1775646
Bromomethane	U		0.115	0.727	1.62	11/17/2021 18:31	WG1775646
n-Butylbenzene	U		0.306	0.727	1.62	11/17/2021 18:31	WG1775646
sec-Butylbenzene	U		0.168	0.727	1.62	11/17/2021 18:31	WG1775646
tert-Butylbenzene	U		0.113	0.292	1.62	11/17/2021 18:31	WG1775646
Carbon tetrachloride	U		0.0523	0.292	1.62	11/17/2021 18:31	WG1775646
Chlorobenzene	U		0.0122	0.145	1.62	11/17/2021 18:31	WG1775646
Chlorodibromomethane	U		0.0356	0.145	1.62	11/17/2021 18:31	WG1775646
Chloroethane	U		0.0990	0.292	1.62	11/17/2021 18:31	WG1775646
Chloroform	U		0.0599	0.145	1.62	11/17/2021 18:31	WG1775646
Chloromethane	U		0.253	0.727	1.62	11/17/2021 18:31	WG1775646
2-Chlorotoluene	U		0.0503	0.145	1.62	11/17/2021 18:31	WG1775646
4-Chlorotoluene	U		0.0261	0.292	1.62	11/17/2021 18:31	WG1775646
1,2-Dibromo-3-Chloropropane	U		0.227	1.45	1.62	11/17/2021 18:31	WG1775646
1,2-Dibromoethane	U		0.0376	0.145	1.62	11/17/2021 18:31	WG1775646
Dibromomethane	U		0.0437	0.292	1.62	11/17/2021 18:31	WG1775646
1,2-Dichlorobenzene	U		0.0247	0.292	1.62	11/17/2021 18:31	WG1775646
1,3-Dichlorobenzene	U		0.0349	0.292	1.62	11/17/2021 18:31	WG1775646
1,4-Dichlorobenzene	U		0.0408	0.292	1.62	11/17/2021 18:31	WG1775646
Dichlorodifluoromethane	U		0.0936	0.145	1.62	11/17/2021 18:31	WG1775646
Dichlorofluoromethane	U		0.0727	0.145	1.62	11/17/2021 18:31	WG1775646
1,1-Dichloroethane	U		0.0286	0.145	1.62	11/17/2021 18:31	WG1775646
1,2-Dichloroethane	U		0.0378	0.145	1.62	11/17/2021 18:31	WG1775646
1,1-Dichloroethene	U		0.0352	0.145	1.62	11/17/2021 18:31	WG1775646
cis-1,2-Dichloroethene	U		0.0427	0.145	1.62	11/17/2021 18:31	WG1775646
trans-1,2-Dichloroethene	U		0.0605	0.292	1.62	11/17/2021 18:31	WG1775646
1,2-Dichloropropane	U		0.0826	0.292	1.62	11/17/2021 18:31	WG1775646
1,1-Dichloropropene	U		0.0471	0.145	1.62	11/17/2021 18:31	WG1775646
1,3-Dichloropropane	U		0.0292	0.292	1.62	11/17/2021 18:31	WG1775646
cis-1,3-Dichloropropene	U		0.0441	0.145	1.62	11/17/2021 18:31	WG1775646
trans-1,3-Dichloropropene	U		0.0664	0.292	1.62	11/17/2021 18:31	WG1775646
2,2-Dichloropropane	U		0.0803	0.145	1.62	11/17/2021 18:31	WG1775646
Di-isopropyl ether	U		0.0238	0.0582	1.62	11/17/2021 18:31	WG1775646
Ethylbenzene	U		0.0428	0.145	1.62	11/17/2021 18:31	WG1775646
Ethyl ether	U		0.0518	0.145	1.62	11/17/2021 18:31	WG1775646
Hexachloro-1,3-butadiene	U		0.349	1.45	1.62	11/17/2021 18:31	WG1775646
2-Hexanone	U		0.195	1.45	1.62	11/17/2021 18:31	WG1775646
Isopropylbenzene	U		0.0247	0.145	1.62	11/17/2021 18:31	WG1775646
p-Isopropyltoluene	U		0.148	0.292	1.62	11/17/2021 18:31	WG1775646
2-Butanone (MEK)	U		3.69	5.82	1.62	11/17/2021 18:31	WG1775646
Methylene Chloride	U		0.386	1.45	1.62	11/17/2021 18:31	WG1775646
4-Methyl-2-pentanone (MIBK)	U		0.133	1.45	1.62	11/17/2021 18:31	WG1775646
Methyl tert-butyl ether	U		0.0204	0.0582	1.62	11/17/2021 18:31	WG1775646
Naphthalene	U		0.284	0.727	1.62	11/17/2021 18:31	WG1775646

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0553	0.292	1.62	11/17/2021 18:31	WG1775646
Styrene	U		0.0133	0.727	1.62	11/17/2021 18:31	WG1775646
1,1,1,2-Tetrachloroethane	U		0.0552	0.145	1.62	11/17/2021 18:31	WG1775646
1,1,2,2-Tetrachloroethane	U		0.0404	0.145	1.62	11/17/2021 18:31	WG1775646
1,1,2-Trichlorotrifluoroethane	U		0.0438	0.145	1.62	11/17/2021 18:31	WG1775646
Tetrachloroethene	U		0.0521	0.145	1.62	11/17/2021 18:31	WG1775646
Tetrahydrofuran	U		0.205	0.727	1.62	11/17/2021 18:31	WG1775646
Toluene	0.0796	J	0.0757	0.292	1.62	11/17/2021 18:31	WG1775646
1,2,3-Trichlorobenzene	U	C4	0.427	0.727	1.62	11/17/2021 18:31	WG1775646
1,2,4-Trichlorobenzene	U	C4	0.256	0.727	1.62	11/17/2021 18:31	WG1775646
1,1,1-Trichloroethane	0.151		0.0537	0.145	1.62	11/17/2021 18:31	WG1775646
1,1,2-Trichloroethane	U		0.0348	0.145	1.62	11/17/2021 18:31	WG1775646
Trichloroethene	51.8		3.40	5.82	162	11/18/2021 15:04	WG1776620
Trichlorofluoromethane	U		0.0481	0.145	1.62	11/17/2021 18:31	WG1775646
1,2,3-Trichloropropane	U		0.0942	0.727	1.62	11/17/2021 18:31	WG1775646
1,2,4-Trimethylbenzene	U		0.0919	0.292	1.62	11/17/2021 18:31	WG1775646
1,2,3-Trimethylbenzene	U		0.0919	0.292	1.62	11/17/2021 18:31	WG1775646
1,3,5-Trimethylbenzene	U		0.116	0.292	1.62	11/17/2021 18:31	WG1775646
Vinyl chloride	U		0.0675	0.145	1.62	11/17/2021 18:31	WG1775646
Xylenes, Total	0.165	J	0.0511	0.378	1.62	11/17/2021 18:31	WG1775646
(S) Toluene-d8	*113*			*75.0-131*		*11/17/2021 18:31*	WG1775646
(S) Toluene-d8	*110*			*75.0-131*		*11/18/2021 15:04*	WG1776620
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*11/17/2021 18:31*	WG1775646
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*11/18/2021 15:04*	WG1776620
(S) 1,2-Dichloroethane-d4	*92.1*			*70.0-130*		*11/17/2021 18:31*	WG1775646
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*11/18/2021 15:04*	WG1776620

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.22	1.66	1.05	11/17/2021 12:00	WG1775651
Acrylonitrile	U		0.120	0.416	1.05	11/17/2021 12:00	WG1775651
Allyl chloride	U	J3	0.133	0.832	1.05	11/17/2021 12:00	WG1775651
Benzene	U	J3	0.0156	0.0334	1.05	11/17/2021 12:00	WG1775651
Bromobenzene	U		0.0299	0.416	1.05	11/17/2021 12:00	WG1775651
Bromodichloromethane	U		0.0241	0.0832	1.05	11/17/2021 12:00	WG1775651
Bromoform	U		0.0389	0.832	1.05	11/17/2021 12:00	WG1775651
Bromomethane	U	J3	0.0656	0.416	1.05	11/17/2021 12:00	WG1775651
n-Butylbenzene	U	J3	0.175	0.416	1.05	11/17/2021 12:00	WG1775651
sec-Butylbenzene	U	J3 J6	0.0959	0.416	1.05	11/17/2021 12:00	WG1775651
tert-Butylbenzene	U	J3	0.0650	0.166	1.05	11/17/2021 12:00	WG1775651
Carbon tetrachloride	U	J3	0.0299	0.166	1.05	11/17/2021 12:00	WG1775651
Chlorobenzene	U		0.00699	0.0832	1.05	11/17/2021 12:00	WG1775651
Chlorodibromomethane	U		0.0204	0.0832	1.05	11/17/2021 12:00	WG1775651
Chloroethane	U	J3 J6	0.0566	0.166	1.05	11/17/2021 12:00	WG1775651
Chloroform	U		0.0343	0.0832	1.05	11/17/2021 12:00	WG1775651
Chloromethane	U	J3	0.145	0.416	1.05	11/17/2021 12:00	WG1775651
2-Chlorotoluene	U	J3	0.0288	0.0832	1.05	11/17/2021 12:00	WG1775651
4-Chlorotoluene	U	J3	0.0150	0.166	1.05	11/17/2021 12:00	WG1775651
1,2-Dibromo-3-Chloropropane	U		0.129	0.832	1.05	11/17/2021 12:00	WG1775651
1,2-Dibromoethane	U		0.0216	0.0832	1.05	11/17/2021 12:00	WG1775651
Dibromomethane	U		0.0250	0.166	1.05	11/17/2021 12:00	WG1775651
1,2-Dichlorobenzene	U		0.0142	0.166	1.05	11/17/2021 12:00	WG1775651
1,3-Dichlorobenzene	U	J3	0.0200	0.166	1.05	11/17/2021 12:00	WG1775651
1,4-Dichlorobenzene	U		0.0233	0.166	1.05	11/17/2021 12:00	WG1775651
Dichlorodifluoromethane	U	J3	0.0537	0.0832	1.05	11/17/2021 12:00	WG1775651
Dichlorofluoromethane	U	J3	0.0416	0.0832	1.05	11/17/2021 12:00	WG1775651
1,1-Dichloroethane	U	J3	0.0164	0.0832	1.05	11/17/2021 12:00	WG1775651
1,2-Dichloroethane	U		0.0216	0.0832	1.05	11/17/2021 12:00	WG1775651
1,1-Dichloroethene	U	J3	0.0202	0.0832	1.05	11/17/2021 12:00	WG1775651
cis-1,2-Dichloroethene	U	J3	0.0245	0.0832	1.05	11/17/2021 12:00	WG1775651
trans-1,2-Dichloroethene	U	J3	0.0346	0.166	1.05	11/17/2021 12:00	WG1775651
1,2-Dichloropropane	U		0.0473	0.166	1.05	11/17/2021 12:00	WG1775651
1,1-Dichloropropene	U	J3	0.0269	0.0832	1.05	11/17/2021 12:00	WG1775651
1,3-Dichloropropane	U		0.0167	0.166	1.05	11/17/2021 12:00	WG1775651
cis-1,3-Dichloropropene	U		0.0252	0.0832	1.05	11/17/2021 12:00	WG1775651
trans-1,3-Dichloropropene	U		0.0379	0.166	1.05	11/17/2021 12:00	WG1775651
2,2-Dichloropropane	U	J3	0.0459	0.0832	1.05	11/17/2021 12:00	WG1775651
Di-isopropyl ether	U		0.0137	0.0334	1.05	11/17/2021 12:00	WG1775651
Ethylbenzene	U	J3	0.0245	0.0832	1.05	11/17/2021 12:00	WG1775651
Ethyl ether	U		0.0297	0.0832	1.05	11/17/2021 12:00	WG1775651
Hexachloro-1,3-butadiene	U	J3	0.200	0.832	1.05	11/17/2021 12:00	WG1775651
2-Hexanone	U		0.112	0.832	1.05	11/17/2021 12:00	WG1775651
Isopropylbenzene	U	J3	0.0142	0.0832	1.05	11/17/2021 12:00	WG1775651
p-Isopropyltoluene	U	J3	0.0849	0.166	1.05	11/17/2021 12:00	WG1775651
2-Butanone (MEK)	U		2.12	3.34	1.05	11/17/2021 12:00	WG1775651
Methylene Chloride	U		0.221	0.832	1.05	11/17/2021 12:00	WG1775651
4-Methyl-2-pentanone (MIBK)	U		0.0760	0.832	1.05	11/17/2021 12:00	WG1775651
Methyl tert-butyl ether	U		0.0117	0.0334	1.05	11/17/2021 12:00	WG1775651
Naphthalene	U		0.162	0.416	1.05	11/17/2021 12:00	WG1775651

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U	J3	0.0316	0.166	1.05	11/17/2021 12:00	WG1775651
Styrene	U		0.00762	0.416	1.05	11/17/2021 12:00	WG1775651
1,1,1,2-Tetrachloroethane	U		0.0316	0.0832	1.05	11/17/2021 12:00	WG1775651
1,1,2,2-Tetrachloroethane	U		0.0231	0.0832	1.05	11/17/2021 12:00	WG1775651
1,1,2-Trichlorotrifluoroethane	U	J3	0.0251	0.0832	1.05	11/17/2021 12:00	WG1775651
Tetrachloroethene	U	J3	0.0298	0.0832	1.05	11/17/2021 12:00	WG1775651
Tetrahydrofuran	U		0.117	0.416	1.05	11/17/2021 12:00	WG1775651
Toluene	U	J3	0.0433	0.166	1.05	11/17/2021 12:00	WG1775651
1,2,3-Trichlorobenzene	U	C4	0.244	0.416	1.05	11/17/2021 12:00	WG1775651
1,2,4-Trichlorobenzene	U		0.147	0.416	1.05	11/17/2021 12:00	WG1775651
1,1,1-Trichloroethane	0.0458	J J3	0.0307	0.0832	1.05	11/17/2021 12:00	WG1775651
1,1,2-Trichloroethane	U		0.0199	0.0832	1.05	11/17/2021 12:00	WG1775651
Trichloroethene	14.2		0.194	0.334	10.5	11/18/2021 15:23	WG1776692
Trichlorofluoromethane	U	J3	0.0275	0.0832	1.05	11/17/2021 12:00	WG1775651
1,2,3-Trichloropropane	U		0.0539	0.416	1.05	11/17/2021 12:00	WG1775651
1,2,4-Trimethylbenzene	U		0.0526	0.166	1.05	11/17/2021 12:00	WG1775651
1,2,3-Trimethylbenzene	U	J3	0.0526	0.166	1.05	11/17/2021 12:00	WG1775651
1,3,5-Trimethylbenzene	U	J3	0.0666	0.166	1.05	11/17/2021 12:00	WG1775651
Vinyl chloride	U	J3	0.0387	0.0832	1.05	11/17/2021 12:00	WG1775651
Xylenes, Total	0.0350	J	0.0293	0.217	1.05	11/17/2021 12:00	WG1775651
(S) Toluene-d8	*98.3*			*75.0-131*		*11/17/2021 12:00*	WG1775651
(S) Toluene-d8	*109*			*75.0-131*		*11/18/2021 15:23*	WG1776692
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/17/2021 12:00*	WG1775651
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/18/2021 15:23*	WG1776692
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*11/17/2021 12:00*	WG1775651
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*11/18/2021 15:23*	WG1776692

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.1		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.81	2.47	1.54	11/17/2021 12:19	WG1775651
Acrylonitrile	U		0.178	0.616	1.54	11/17/2021 12:19	WG1775651
Allyl chloride	U	J3	0.197	1.23	1.54	11/17/2021 12:19	WG1775651
Benzene	U		0.0231	0.0493	1.54	11/17/2021 12:19	WG1775651
Bromobenzene	U		0.0444	0.616	1.54	11/17/2021 12:19	WG1775651
Bromodichloromethane	U		0.0357	0.123	1.54	11/17/2021 12:19	WG1775651
Bromoform	U		0.0576	1.23	1.54	11/17/2021 12:19	WG1775651
Bromomethane	U		0.0971	0.616	1.54	11/17/2021 12:19	WG1775651
n-Butylbenzene	U		0.259	0.616	1.54	11/17/2021 12:19	WG1775651
sec-Butylbenzene	U		0.142	0.616	1.54	11/17/2021 12:19	WG1775651
tert-Butylbenzene	U		0.0962	0.247	1.54	11/17/2021 12:19	WG1775651
Carbon tetrachloride	U		0.0443	0.247	1.54	11/17/2021 12:19	WG1775651
Chlorobenzene	U		0.0104	0.123	1.54	11/17/2021 12:19	WG1775651
Chlorodibromomethane	U		0.0302	0.123	1.54	11/17/2021 12:19	WG1775651
Chloroethane	U		0.0839	0.247	1.54	11/17/2021 12:19	WG1775651
Chloroform	U		0.0508	0.123	1.54	11/17/2021 12:19	WG1775651
Chloromethane	U		0.214	0.616	1.54	11/17/2021 12:19	WG1775651
2-Chlorotoluene	U		0.0426	0.123	1.54	11/17/2021 12:19	WG1775651
4-Chlorotoluene	U		0.0222	0.247	1.54	11/17/2021 12:19	WG1775651
1,2-Dibromo-3-Chloropropane	U		0.192	1.23	1.54	11/17/2021 12:19	WG1775651
1,2-Dibromoethane	U		0.0319	0.123	1.54	11/17/2021 12:19	WG1775651
Dibromomethane	U		0.0370	0.247	1.54	11/17/2021 12:19	WG1775651
1,2-Dichlorobenzene	U		0.0210	0.247	1.54	11/17/2021 12:19	WG1775651
1,3-Dichlorobenzene	U		0.0296	0.247	1.54	11/17/2021 12:19	WG1775651
1,4-Dichlorobenzene	U		0.0346	0.247	1.54	11/17/2021 12:19	WG1775651
Dichlorodifluoromethane	U		0.0794	0.123	1.54	11/17/2021 12:19	WG1775651
Dichlorofluoromethane	U		0.0616	0.123	1.54	11/17/2021 12:19	WG1775651
1,1-Dichloroethane	U	J3	0.0242	0.123	1.54	11/17/2021 12:19	WG1775651
1,2-Dichloroethane	U		0.0320	0.123	1.54	11/17/2021 12:19	WG1775651
1,1-Dichloroethene	U	J3	0.0298	0.123	1.54	11/17/2021 12:19	WG1775651
cis-1,2-Dichloroethene	U		0.0362	0.123	1.54	11/17/2021 12:19	WG1775651
trans-1,2-Dichloroethene	U	J3	0.0512	0.247	1.54	11/17/2021 12:19	WG1775651
1,2-Dichloropropane	U		0.0701	0.247	1.54	11/17/2021 12:19	WG1775651
1,1-Dichloropropene	U		0.0398	0.123	1.54	11/17/2021 12:19	WG1775651
1,3-Dichloropropane	U		0.0247	0.247	1.54	11/17/2021 12:19	WG1775651
cis-1,3-Dichloropropene	U		0.0373	0.123	1.54	11/17/2021 12:19	WG1775651
trans-1,3-Dichloropropene	U		0.0562	0.247	1.54	11/17/2021 12:19	WG1775651
2,2-Dichloropropane	U		0.0680	0.123	1.54	11/17/2021 12:19	WG1775651
Di-isopropyl ether	U		0.0202	0.0493	1.54	11/17/2021 12:19	WG1775651
Ethylbenzene	U		0.0364	0.123	1.54	11/17/2021 12:19	WG1775651
Ethyl ether	U		0.0439	0.123	1.54	11/17/2021 12:19	WG1775651
Hexachloro-1,3-butadiene	U		0.296	1.23	1.54	11/17/2021 12:19	WG1775651
2-Hexanone	U		0.165	1.23	1.54	11/17/2021 12:19	WG1775651
Isopropylbenzene	U		0.0210	0.123	1.54	11/17/2021 12:19	WG1775651
p-Isopropyltoluene	U		0.126	0.247	1.54	11/17/2021 12:19	WG1775651
2-Butanone (MEK)	U		3.12	4.93	1.54	11/17/2021 12:19	WG1775651
Methylene Chloride	U		0.328	1.23	1.54	11/17/2021 12:19	WG1775651
4-Methyl-2-pentanone (MIBK)	U		0.112	1.23	1.54	11/17/2021 12:19	WG1775651
Methyl tert-butyl ether	U		0.0173	0.0493	1.54	11/17/2021 12:19	WG1775651
Naphthalene	U		0.241	0.616	1.54	11/17/2021 12:19	WG1775651

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0469	0.247	1.54	11/17/2021 12:19	WG1775651
Styrene	U		0.0113	0.616	1.54	11/17/2021 12:19	WG1775651
1,1,1,2-Tetrachloroethane	U		0.0467	0.123	1.54	11/17/2021 12:19	WG1775651
1,1,2,2-Tetrachloroethane	U		0.0343	0.123	1.54	11/17/2021 12:19	WG1775651
1,1,2-Trichlorotrifluoroethane	U		0.0371	0.123	1.54	11/17/2021 12:19	WG1775651
Tetrachloroethene	U		0.0442	0.123	1.54	11/17/2021 12:19	WG1775651
Tetrahydrofuran	U		0.174	0.616	1.54	11/17/2021 12:19	WG1775651
Toluene	U		0.0642	0.247	1.54	11/17/2021 12:19	WG1775651
1,2,3-Trichlorobenzene	U	C4	0.361	0.616	1.54	11/17/2021 12:19	WG1775651
1,2,4-Trichlorobenzene	U		0.216	0.616	1.54	11/17/2021 12:19	WG1775651
1,1,1-Trichloroethane	0.269	J3	0.0455	0.123	1.54	11/17/2021 12:19	WG1775651
1,1,2-Trichloroethane	U		0.0295	0.123	1.54	11/17/2021 12:19	WG1775651
Trichloroethene	35.7		1.15	1.97	61.6	11/18/2021 15:42	WG1776692
Trichlorofluoromethane	U		0.0407	0.123	1.54	11/17/2021 12:19	WG1775651
1,2,3-Trichloropropane	U		0.0799	0.616	1.54	11/17/2021 12:19	WG1775651
1,2,4-Trimethylbenzene	U		0.0779	0.247	1.54	11/17/2021 12:19	WG1775651
1,2,3-Trimethylbenzene	U		0.0779	0.247	1.54	11/17/2021 12:19	WG1775651
1,3,5-Trimethylbenzene	U		0.0986	0.247	1.54	11/17/2021 12:19	WG1775651
Vinyl chloride	U		0.0572	0.123	1.54	11/17/2021 12:19	WG1775651
Xylenes, Total	0.0711	J	0.0434	0.320	1.54	11/17/2021 12:19	WG1775651
(S) Toluene-d8	*95.6*			*75.0-131*		*11/17/2021 12:19*	WG1775651
(S) Toluene-d8	*105*			*75.0-131*		*11/18/2021 15:42*	WG1776692
(S) 4-Bromofluorobenzene	*99.8*			*67.0-138*		*11/17/2021 12:19*	WG1775651
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/18/2021 15:42*	WG1776692
(S) 1,2-Dichloroethane-d4	*97.5*			*70.0-130*		*11/17/2021 12:19*	WG1775651
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*11/18/2021 15:42*	WG1776692

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	11/17/2021 11:39	WG1775538

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		1.09	1.49	1	11/18/2021 16:32	WG1776692
Acrylonitrile	U		0.108	0.373	1	11/18/2021 16:32	WG1776692
Allyl chloride	U		0.119	0.744	1	11/18/2021 16:32	WG1776692
Benzene	U		0.0139	0.0298	1	11/18/2021 16:32	WG1776692
Bromobenzene	U		0.0268	0.373	1	11/18/2021 16:32	WG1776692
Bromodichloromethane	U		0.0215	0.0744	1	11/18/2021 16:32	WG1776692
Bromoform	U		0.0349	0.744	1	11/18/2021 16:32	WG1776692
Bromomethane	U		0.0587	0.373	1	11/18/2021 16:32	WG1776692
n-Butylbenzene	U		0.156	0.373	1	11/18/2021 16:32	WG1776692
sec-Butylbenzene	U		0.0857	0.373	1	11/18/2021 16:32	WG1776692
tert-Butylbenzene	U		0.0581	0.149	1	11/18/2021 16:32	WG1776692
Carbon tetrachloride	U		0.0268	0.149	1	11/18/2021 16:32	WG1776692
Chlorobenzene	U		0.00625	0.0744	1	11/18/2021 16:32	WG1776692
Chlorodibromomethane	U		0.0182	0.0744	1	11/18/2021 16:32	WG1776692
Chloroethane	U		0.0506	0.149	1	11/18/2021 16:32	WG1776692
Chloroform	U		0.0307	0.0744	1	11/18/2021 16:32	WG1776692
Chloromethane	U		0.130	0.373	1	11/18/2021 16:32	WG1776692
2-Chlorotoluene	U		0.0257	0.0744	1	11/18/2021 16:32	WG1776692
4-Chlorotoluene	U		0.0135	0.149	1	11/18/2021 16:32	WG1776692
1,2-Dibromo-3-Chloropropane	U		0.116	0.744	1	11/18/2021 16:32	WG1776692
1,2-Dibromoethane	U		0.0193	0.0744	1	11/18/2021 16:32	WG1776692
Dibromomethane	U		0.0224	0.149	1	11/18/2021 16:32	WG1776692
1,2-Dichlorobenzene	U		0.0126	0.149	1	11/18/2021 16:32	WG1776692
1,3-Dichlorobenzene	U		0.0179	0.149	1	11/18/2021 16:32	WG1776692
1,4-Dichlorobenzene	U		0.0208	0.149	1	11/18/2021 16:32	WG1776692
Dichlorodifluoromethane	U		0.0480	0.0744	1	11/18/2021 16:32	WG1776692
Dichlorofluoromethane	U		0.0373	0.0744	1	11/18/2021 16:32	WG1776692
1,1-Dichloroethane	U		0.0146	0.0744	1	11/18/2021 16:32	WG1776692
1,2-Dichloroethane	U		0.0193	0.0744	1	11/18/2021 16:32	WG1776692
1,1-Dichloroethene	U		0.0181	0.0744	1	11/18/2021 16:32	WG1776692
cis-1,2-Dichloroethene	U		0.0219	0.0744	1	11/18/2021 16:32	WG1776692
trans-1,2-Dichloroethene	U		0.0310	0.149	1	11/18/2021 16:32	WG1776692
1,2-Dichloropropane	U		0.0423	0.149	1	11/18/2021 16:32	WG1776692
1,1-Dichloropropene	U		0.0240	0.0744	1	11/18/2021 16:32	WG1776692
1,3-Dichloropropane	U		0.0149	0.149	1	11/18/2021 16:32	WG1776692
cis-1,3-Dichloropropene	U		0.0225	0.0744	1	11/18/2021 16:32	WG1776692
trans-1,3-Dichloropropene	U		0.0339	0.149	1	11/18/2021 16:32	WG1776692
2,2-Dichloropropane	U		0.0411	0.0744	1	11/18/2021 16:32	WG1776692
Di-isopropyl ether	U		0.0123	0.0298	1	11/18/2021 16:32	WG1776692
Ethylbenzene	U		0.0219	0.0744	1	11/18/2021 16:32	WG1776692
Ethyl ether	U		0.0265	0.0744	1	11/18/2021 16:32	WG1776692
Hexachloro-1,3-butadiene	U	C3	0.179	0.744	1	11/18/2021 16:32	WG1776692
2-Hexanone	U		0.100	0.744	1	11/18/2021 16:32	WG1776692
Isopropylbenzene	U		0.0126	0.0744	1	11/18/2021 16:32	WG1776692
p-Isopropyltoluene	U		0.0760	0.149	1	11/18/2021 16:32	WG1776692
2-Butanone (MEK)	U		1.89	2.98	1	11/18/2021 16:32	WG1776692
Methylene Chloride	U		0.198	0.744	1	11/18/2021 16:32	WG1776692
4-Methyl-2-pentanone (MIBK)	U		0.0679	0.744	1	11/18/2021 16:32	WG1776692
Methyl tert-butyl ether	U		0.0104	0.0298	1	11/18/2021 16:32	WG1776692
Naphthalene	U	C3	0.145	0.373	1	11/18/2021 16:32	WG1776692

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0283	0.149	1	11/18/2021 16:32	WG1776692
Styrene	U		0.00682	0.373	1	11/18/2021 16:32	WG1776692
1,1,1,2-Tetrachloroethane	U		0.0282	0.0744	1	11/18/2021 16:32	WG1776692
1,1,2,2-Tetrachloroethane	U		0.0207	0.0744	1	11/18/2021 16:32	WG1776692
1,1,2-Trichlorotrifluoroethane	U		0.0225	0.0744	1	11/18/2021 16:32	WG1776692
Tetrachloroethene	U		0.0267	0.0744	1	11/18/2021 16:32	WG1776692
Tetrahydrofuran	U		0.105	0.373	1	11/18/2021 16:32	WG1776692
Toluene	U		0.0387	0.149	1	11/18/2021 16:32	WG1776692
1,2,3-Trichlorobenzene	U		0.218	0.373	1	11/19/2021 10:30	WG1777156
1,2,4-Trichlorobenzene	U	C4 J4	0.131	0.373	1	11/18/2021 16:32	WG1776692
1,1,1-Trichloroethane	U		0.0275	0.0744	1	11/18/2021 16:32	WG1776692
1,1,2-Trichloroethane	U		0.0177	0.0744	1	11/18/2021 16:32	WG1776692
Trichloroethene	2.71		0.0174	0.0298	1	11/18/2021 16:32	WG1776692
Trichlorofluoromethane	U		0.0246	0.0744	1	11/18/2021 16:32	WG1776692
1,2,3-Trichloropropane	U		0.0482	0.373	1	11/18/2021 16:32	WG1776692
1,2,4-Trimethylbenzene	U		0.0470	0.149	1	11/18/2021 16:32	WG1776692
1,2,3-Trimethylbenzene	U		0.0470	0.149	1	11/18/2021 16:32	WG1776692
1,3,5-Trimethylbenzene	U		0.0595	0.149	1	11/18/2021 16:32	WG1776692
Vinyl chloride	U		0.0345	0.0744	1	11/18/2021 16:32	WG1776692
Xylenes, Total	U		0.0262	0.194	1	11/18/2021 16:32	WG1776692
(S) Toluene-d8	*114*			*75.0-131*		*11/18/2021 16:32*	WG1776692
(S) Toluene-d8	*114*			*75.0-131*		*11/19/2021 10:30*	WG1777156
(S) 4-Bromofluorobenzene	*95.1*			*67.0-138*		*11/18/2021 16:32*	WG1776692
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/19/2021 10:30*	WG1777156
(S) 1,2-Dichloroethane-d4	*93.9*			*70.0-130*		*11/18/2021 16:32*	WG1776692
(S) 1,2-Dichloroethane-d4	*92.6*			*70.0-130*		*11/19/2021 10:30*	WG1777156

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0113	0.0500	1	11/17/2021 20:00	WG1775759
Acrolein	U		0.00254	0.0500	1	11/17/2021 20:00	WG1775759
Acrylonitrile	U		0.000671	0.0100	1	11/17/2021 20:00	WG1775759
Allyl chloride	U		0.000500	0.00500	1	11/17/2021 20:00	WG1775759
Benzene	U		0.0000941	0.00100	1	11/17/2021 20:00	WG1775759
Bromobenzene	U		0.000118	0.00100	1	11/17/2021 20:00	WG1775759
Bromodichloromethane	U		0.000136	0.00100	1	11/17/2021 20:00	WG1775759
Bromoform	U		0.000129	0.00100	1	11/17/2021 20:00	WG1775759
Bromomethane	U		0.000605	0.00500	1	11/17/2021 20:00	WG1775759
n-Butylbenzene	U		0.000157	0.00100	1	11/17/2021 20:00	WG1775759
sec-Butylbenzene	U		0.000125	0.00100	1	11/17/2021 20:00	WG1775759
tert-Butylbenzene	U		0.000127	0.00100	1	11/17/2021 20:00	WG1775759
Carbon tetrachloride	U		0.000128	0.00100	1	11/17/2021 20:00	WG1775759
Chlorobenzene	U		0.000116	0.00100	1	11/17/2021 20:00	WG1775759
Chlorodibromomethane	U		0.000140	0.00100	1	11/17/2021 20:00	WG1775759
Chloroethane	U		0.000192	0.00500	1	11/17/2021 20:00	WG1775759
2-Chloroethyl vinyl ether	U		0.000575	0.0500	1	11/17/2021 20:00	WG1775759
Chloroform	U		0.000111	0.00500	1	11/17/2021 20:00	WG1775759
Chloromethane	U		0.000960	0.00250	1	11/17/2021 20:00	WG1775759
2-Chlorotoluene	U		0.000106	0.00100	1	11/17/2021 20:00	WG1775759
4-Chlorotoluene	U		0.000114	0.00100	1	11/17/2021 20:00	WG1775759
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	11/17/2021 20:00	WG1775759
1,2-Dibromoethane	U		0.000126	0.00100	1	11/17/2021 20:00	WG1775759
Dibromomethane	U		0.000122	0.00100	1	11/17/2021 20:00	WG1775759
1,2-Dichlorobenzene	U		0.000107	0.00100	1	11/17/2021 20:00	WG1775759
1,3-Dichlorobenzene	U		0.000110	0.00100	1	11/17/2021 20:00	WG1775759
1,4-Dichlorobenzene	U		0.000120	0.00100	1	11/17/2021 20:00	WG1775759
Dichlorodifluoromethane	U		0.000374	0.00500	1	11/17/2021 20:00	WG1775759
Dichlorofluoromethane	U		0.000130	0.00500	1	11/17/2021 20:00	WG1775759
1,1-Dichloroethane	U		0.000100	0.00100	1	11/17/2021 20:00	WG1775759
1,2-Dichloroethane	U		0.0000819	0.00100	1	11/17/2021 20:00	WG1775759
1,1-Dichloroethene	U		0.000188	0.00100	1	11/17/2021 20:00	WG1775759
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	11/17/2021 20:00	WG1775759
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	11/17/2021 20:00	WG1775759
1,2-Dichloropropane	U		0.000149	0.00100	1	11/17/2021 20:00	WG1775759
1,1-Dichloropropene	U		0.000142	0.00100	1	11/17/2021 20:00	WG1775759
1,3-Dichloropropane	U		0.000110	0.00100	1	11/17/2021 20:00	WG1775759
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	11/17/2021 20:00	WG1775759
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	11/17/2021 20:00	WG1775759
2,2-Dichloropropane	U		0.000161	0.00100	1	11/17/2021 20:00	WG1775759
Di-isopropyl ether	U		0.000105	0.00100	1	11/17/2021 20:00	WG1775759
Ethylbenzene	U		0.000137	0.00100	1	11/17/2021 20:00	WG1775759
Ethyl ether	U		0.000115	0.00100	1	11/17/2021 20:00	WG1775759
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	11/17/2021 20:00	WG1775759
Isopropylbenzene	U		0.000105	0.00100	1	11/17/2021 20:00	WG1775759
p-Isopropyltoluene	U		0.000120	0.00100	1	11/17/2021 20:00	WG1775759
2-Butanone (MEK)	U		0.00119	0.0100	1	11/17/2021 20:00	WG1775759
Methylene Chloride	U		0.000430	0.00500	1	11/17/2021 20:00	WG1775759
2-Hexanone	U		0.000787	0.0100	1	11/17/2021 20:00	WG1775759
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	11/17/2021 20:00	WG1775759
Methyl tert-butyl ether	U		0.000101	0.00100	1	11/17/2021 20:00	WG1775759
Naphthalene	U		0.00100	0.00500	1	11/17/2021 20:00	WG1775759
n-Propylbenzene	U		0.0000993	0.00100	1	11/17/2021 20:00	WG1775759
Styrene	U		0.000118	0.00100	1	11/17/2021 20:00	WG1775759
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	11/17/2021 20:00	WG1775759
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	11/17/2021 20:00	WG1775759

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100	1	11/17/2021 20:00	WG1775759
Tetrachloroethene	U		0.000300	0.00100	1	11/17/2021 20:00	WG1775759
Tetrahydrofuran	U		0.000929	0.00500	1	11/17/2021 20:00	WG1775759
Toluene	U		0.000278	0.00100	1	11/17/2021 20:00	WG1775759
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	11/17/2021 20:00	WG1775759
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	11/17/2021 20:00	WG1775759
1,1,1-Trichloroethane	U		0.000149	0.00100	1	11/17/2021 20:00	WG1775759
1,1,2-Trichloroethane	U		0.000158	0.00100	1	11/17/2021 20:00	WG1775759
Trichloroethene	U		0.000190	0.00100	1	11/17/2021 20:00	WG1775759
Trichlorofluoromethane	U		0.000160	0.00500	1	11/17/2021 20:00	WG1775759
1,2,3-Trichloropropane	U		0.000237	0.00250	1	11/17/2021 20:00	WG1775759
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/17/2021 20:00	WG1775759
1,2,3-Trimethylbenzene	U		0.000104	0.00100	1	11/17/2021 20:00	WG1775759
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/17/2021 20:00	WG1775759
Vinyl chloride	U		0.000234	0.00100	1	11/17/2021 20:00	WG1775759
Xylenes, Total	U		0.000174	0.00300	1	11/17/2021 20:00	WG1775759
(S) Toluene-d8	*109*			*80.0-120*		*11/17/2021 20:00*	WG1775759
(S) 4-Bromofluorobenzene	*92.4*			*77.0-126*		*11/17/2021 20:00*	WG1775759
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*11/17/2021 20:00*	WG1775759

Method Blank (MB)

(MB) R3730703-1 11/17/21 08:05

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1431799-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1431799-01 11/17/21 08:05 • (DUP) R3730703-3 11/17/21 08:05

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.8	86.5	1	1.95		10

Laboratory Control Sample (LCS)

(LCS) R3730703-2 11/17/21 08:05

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3730945-1 11/17/21 11:05

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1431799-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1431799-12 11/17/21 11:05 • (DUP) R3730945-3 11/17/21 11:05

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.4	82.5	1	1.08		10

Laboratory Control Sample (LCS)

(LCS) R3730945-2 11/17/21 11:05

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3730967-1 11/17/21 11:39

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1431799-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1431799-24 11/17/21 11:39 • (DUP) R3730967-3 11/17/21 11:39

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.0	82.9	1	1.35		10

Laboratory Control Sample (LCS)

(LCS) R3730967-2 11/17/21 11:39

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3731047-3 11/17/21 12:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.913	1.25
Acrylonitrile	U		0.0903	0.313
Benzene	U		0.0117	0.0250
Bromobenzene	U		0.0225	0.313
Bromodichloromethane	U		0.0181	0.0625
Bromoform	U		0.0293	0.625
Bromomethane	U		0.0493	0.313
n-Butylbenzene	U		0.131	0.313
sec-Butylbenzene	U		0.0720	0.313
tert-Butylbenzene	U		0.0488	0.125
Carbon tetrachloride	U		0.0225	0.125
Chlorobenzene	U		0.00525	0.0625
Chlorodibromomethane	U		0.0153	0.0625
Chloroethane	U		0.0425	0.125
Chloroform	U		0.0258	0.0625
Chloromethane	U		0.109	0.313
2-Chlorotoluene	U		0.0216	0.0625
4-Chlorotoluene	U		0.0113	0.125
1,2-Dibromo-3-Chloropropane	U		0.0975	0.625
1,2-Dibromoethane	U		0.0162	0.0625
Dibromomethane	U		0.0188	0.125
1,2-Dichlorobenzene	U		0.0106	0.125
1,3-Dichlorobenzene	U		0.0150	0.125
1,4-Dichlorobenzene	U		0.0175	0.125
Dichlorodifluoromethane	U		0.0403	0.0625
Dichlorofluoromethane	U		0.0313	0.0625
1,1-Dichloroethane	U		0.0123	0.0625
1,2-Dichloroethane	U		0.0162	0.0625
1,1-Dichloroethene	U		0.0152	0.0625
cis-1,2-Dichloroethene	U		0.0184	0.0625
trans-1,2-Dichloroethene	U		0.0260	0.125
1,2-Dichloropropane	U		0.0355	0.125
1,1-Dichloropropene	U		0.0202	0.0625
1,3-Dichloropropane	U		0.0125	0.125
cis-1,3-Dichloropropene	U		0.0189	0.0625
trans-1,3-Dichloropropene	U		0.0285	0.125
2,2-Dichloropropane	U		0.0345	0.0625
Di-isopropyl ether	U		0.0103	0.0250
Ethylbenzene	U		0.0184	0.0625
Ethyl ether	U		0.0223	0.0625

Method Blank (MB)

(MB) R3731047-3 11/17/21 12:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.150	0.625
2-Hexanone	U		0.0840	0.625
Isopropylbenzene	U		0.0106	0.0625
p-Isopropyltoluene	U		0.0638	0.125
2-Butanone (MEK)	U		1.59	2.50
Methylene Chloride	U		0.166	0.625
4-Methyl-2-pentanone (MIBK)	U		0.0570	0.625
Methyl tert-butyl ether	U		0.00875	0.0250
Naphthalene	U		0.122	0.313
n-Propylbenzene	U		0.0238	0.125
Styrene	U		0.00573	0.313
1,1,1,2-Tetrachloroethane	U		0.0237	0.0625
1,1,2,2-Tetrachloroethane	U		0.0174	0.0625
Tetrachloroethene	U		0.0224	0.0625
Tetrahydrofuran	U		0.0880	0.313
Toluene	U		0.0325	0.125
1,1,2-Trichlorotrifluoroethane	U		0.0189	0.0625
1,2,3-Trichlorobenzene	U		0.183	0.313
1,2,4-Trichlorobenzene	U		0.110	0.313
1,1,1-Trichloroethane	U		0.0231	0.0625
1,1,2-Trichloroethane	U		0.0149	0.0625
Trichloroethene	U		0.0146	0.0250
Trichlorofluoromethane	U		0.0207	0.0625
1,2,3-Trichloropropane	U		0.0405	0.313
1,2,3-Trimethylbenzene	U		0.0395	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Vinyl chloride	U		0.0290	0.0625
Xylenes, Total	U		0.0220	0.163
Allyl Chloride	U		0.100	0.625
(S) Toluene-d8	*112*			*75.0-131*
(S) 4-Bromofluorobenzene	*108*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

QUALITY CONTROL SUMMARY

L1431799-01,02,03,04,05,06,07,08,09,10,11,12,13,15,16,17,18,19,20,21

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731047-1 11/17/21 10:50 • (LCSD) R3731047-2 11/17/21 11:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.626	0.580	100	92.8	30.0-160			7.63	31
Acrylonitrile	0.625	0.668	0.597	107	95.5	45.0-153			11.2	22
Benzene	0.125	0.123	0.130	98.4	104	70.0-123			5.53	20
Bromobenzene	0.125	0.118	0.124	94.4	99.2	73.0-121			4.96	20
Bromodichloromethane	0.125	0.123	0.128	98.4	102	73.0-121			3.98	20
Bromoform	0.125	0.110	0.121	88.0	96.8	64.0-132			9.52	20
Bromomethane	0.125	0.107	0.124	85.6	99.2	56.0-147			14.7	20
n-Butylbenzene	0.125	0.136	0.142	109	114	68.0-135			4.32	20
sec-Butylbenzene	0.125	0.127	0.131	102	105	74.0-130			3.10	20
tert-Butylbenzene	0.125	0.119	0.123	95.2	98.4	75.0-127			3.31	20
Carbon tetrachloride	0.125	0.135	0.139	108	111	66.0-128			2.92	20
Chlorobenzene	0.125	0.123	0.126	98.4	101	76.0-128			2.41	20
Chlorodibromomethane	0.125	0.123	0.133	98.4	106	74.0-127			7.81	20
Chloroethane	0.125	0.111	0.127	88.8	102	61.0-134			13.4	20
Chloroform	0.125	0.123	0.128	98.4	102	72.0-123			3.98	20
Chloromethane	0.125	0.116	0.126	92.8	101	51.0-138			8.26	20
2-Chlorotoluene	0.125	0.127	0.130	102	104	75.0-124			2.33	20
4-Chlorotoluene	0.125	0.126	0.129	101	103	75.0-124			2.35	20
1,2-Dibromo-3-Chloropropane	0.125	0.123	0.119	98.4	95.2	59.0-130			3.31	20
1,2-Dibromoethane	0.125	0.131	0.135	105	108	74.0-128			3.01	20
Dibromomethane	0.125	0.129	0.133	103	106	75.0-122			3.05	20
1,2-Dichlorobenzene	0.125	0.131	0.141	105	113	76.0-124			7.35	20
1,3-Dichlorobenzene	0.125	0.129	0.132	103	106	76.0-125			2.30	20
1,4-Dichlorobenzene	0.125	0.126	0.131	101	105	77.0-121			3.89	20
Dichlorodifluoromethane	0.125	0.126	0.138	101	110	43.0-156			9.09	20
Dichlorofluoromethane	0.125	0.125	0.134	100	107	65.0-137			6.95	20
1,1-Dichloroethane	0.125	0.129	0.134	103	107	70.0-127			3.80	20
1,2-Dichloroethane	0.125	0.127	0.136	102	109	65.0-131			6.84	20
1,1-Dichloroethene	0.125	0.124	0.135	99.2	108	65.0-131			8.49	20
cis-1,2-Dichloroethene	0.125	0.115	0.124	92.0	99.2	73.0-125			7.53	20
trans-1,2-Dichloroethene	0.125	0.116	0.123	92.8	98.4	71.0-125			5.86	20
1,2-Dichloropropane	0.125	0.135	0.135	108	108	74.0-125			0.000	20
1,1-Dichloropropene	0.125	0.131	0.137	105	110	73.0-125			4.48	20
1,3-Dichloropropane	0.125	0.125	0.128	100	102	80.0-125			2.37	20
cis-1,3-Dichloropropene	0.125	0.123	0.132	98.4	106	76.0-127			7.06	20
trans-1,3-Dichloropropene	0.125	0.125	0.128	100	102	73.0-127			2.37	20
2,2-Dichloropropane	0.125	0.117	0.132	93.6	106	59.0-135			12.0	20
Di-isopropyl ether	0.125	0.128	0.136	102	109	60.0-136			6.06	20
Ethylbenzene	0.125	0.127	0.127	102	102	74.0-126			0.000	20
Ethyl ether	0.125	0.119	0.124	95.2	99.2	64.0-137			4.12	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731047-1 11/17/21 10:50 • (LCSD) R3731047-2 11/17/21 11:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.125	0.134	0.148	107	118	57.0-150			9.93	20
2-Hexanone	0.625	0.676	0.692	108	111	54.0-147			2.34	20
Isopropylbenzene	0.125	0.131	0.144	105	115	72.0-127			9.45	20
p-Isopropyltoluene	0.125	0.125	0.131	100	105	72.0-133			4.69	20
2-Butanone (MEK)	0.625	0.677	0.717	108	115	30.0-160			5.74	24
Methylene Chloride	0.125	0.112	0.112	89.6	89.6	68.0-123			0.000	20
4-Methyl-2-pentanone (MIBK)	0.625	0.712	0.710	114	114	56.0-143			0.281	20
Methyl tert-butyl ether	0.125	0.125	0.135	100	108	66.0-132			7.69	20
Naphthalene	0.125	0.114	0.113	91.2	90.4	59.0-130			0.881	20
n-Propylbenzene	0.125	0.121	0.124	96.8	99.2	74.0-126			2.45	20
Styrene	0.125	0.128	0.137	102	110	72.0-127			6.79	20
1,1,1,2-Tetrachloroethane	0.125	0.129	0.136	103	109	74.0-129			5.28	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.119	94.4	95.2	68.0-128			0.844	20
Tetrachloroethene	0.125	0.127	0.131	102	105	70.0-136			3.10	20
Tetrahydrofuran	0.125	0.123	0.118	98.4	94.4	37.0-146			4.15	24
Toluene	0.125	0.123	0.125	98.4	100	75.0-121			1.61	20
1,1,2-Trichlorotrifluoroethane	0.125	0.125	0.137	100	110	61.0-139			9.16	20
1,2,3-Trichlorobenzene	0.125	0.108	0.107	86.4	85.6	59.0-139			0.930	20
1,2,4-Trichlorobenzene	0.125	0.125	0.139	100	111	62.0-137			10.6	20
1,1,1-Trichloroethane	0.125	0.123	0.133	98.4	106	69.0-126			7.81	20
1,1,2-Trichloroethane	0.125	0.120	0.122	96.0	97.6	78.0-123			1.65	20
Trichloroethene	0.125	0.125	0.124	100	99.2	76.0-126			0.803	20
Trichlorofluoromethane	0.125	0.116	0.127	92.8	102	61.0-142			9.05	20
1,2,3-Trichloropropane	0.125	0.120	0.118	96.0	94.4	67.0-129			1.68	20
1,2,3-Trimethylbenzene	0.125	0.126	0.132	101	106	74.0-124			4.65	20
1,2,4-Trimethylbenzene	0.125	0.126	0.131	101	105	70.0-126			3.89	20
1,3,5-Trimethylbenzene	0.125	0.122	0.127	97.6	102	73.0-127			4.02	20
Vinyl chloride	0.125	0.118	0.133	94.4	106	63.0-134			12.0	20
Xylenes, Total	0.375	0.379	0.380	101	101	72.0-127			0.264	20
Allyl chloride	0.625	0.544	0.577	87.0	92.3	70.0-131			5.89	20
(S) Toluene-d8				*106*	*105*	*75.0-131*				
(S) 4-Bromofluorobenzene				*106*	*110*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*115*	*115*	*70.0-130*				

Method Blank (MB)

(MB) R3731062-3 11/17/21 08:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.913	1.25
Acrylonitrile	U		0.0903	0.313
Benzene	U		0.0117	0.0250
Bromobenzene	U		0.0225	0.313
Bromodichloromethane	U		0.0181	0.0625
Bromoform	U		0.0293	0.625
Bromomethane	U		0.0493	0.313
n-Butylbenzene	U		0.131	0.313
sec-Butylbenzene	U		0.0720	0.313
tert-Butylbenzene	U		0.0488	0.125
Carbon tetrachloride	U		0.0225	0.125
Chlorobenzene	U		0.00525	0.0625
Chlorodibromomethane	U		0.0153	0.0625
Chloroethane	U		0.0425	0.125
Chloroform	U		0.0258	0.0625
Chloromethane	U		0.109	0.313
2-Chlorotoluene	U		0.0216	0.0625
4-Chlorotoluene	U		0.0113	0.125
1,2-Dibromo-3-Chloropropane	U		0.0975	0.625
1,2-Dibromoethane	U		0.0162	0.0625
Dibromomethane	U		0.0188	0.125
1,2-Dichlorobenzene	U		0.0106	0.125
1,3-Dichlorobenzene	U		0.0150	0.125
1,4-Dichlorobenzene	U		0.0175	0.125
Dichlorodifluoromethane	U		0.0403	0.0625
Dichlorofluoromethane	U		0.0313	0.0625
1,1-Dichloroethane	U		0.0123	0.0625
1,2-Dichloroethane	U		0.0162	0.0625
1,1-Dichloroethene	U		0.0152	0.0625
cis-1,2-Dichloroethene	U		0.0184	0.0625
trans-1,2-Dichloroethene	U		0.0260	0.125
1,2-Dichloropropane	U		0.0355	0.125
1,1-Dichloropropene	U		0.0202	0.0625
1,3-Dichloropropane	U		0.0125	0.125
cis-1,3-Dichloropropene	U		0.0189	0.0625
trans-1,3-Dichloropropene	U		0.0285	0.125
2,2-Dichloropropane	U		0.0345	0.0625
Di-isopropyl ether	U		0.0103	0.0250
Ethylbenzene	U		0.0184	0.0625
Ethyl ether	U		0.0223	0.0625

Method Blank (MB)

(MB) R3731062-3 11/17/21 08:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.150	0.625
2-Hexanone	U		0.0840	0.625
Isopropylbenzene	U		0.0106	0.0625
p-Isopropyltoluene	U		0.0638	0.125
2-Butanone (MEK)	U		1.59	2.50
Methylene Chloride	U		0.166	0.625
4-Methyl-2-pentanone (MIBK)	U		0.0570	0.625
Methyl tert-butyl ether	U		0.00875	0.0250
Naphthalene	U		0.122	0.313
n-Propylbenzene	U		0.0238	0.125
Styrene	U		0.00573	0.313
1,1,1,2-Tetrachloroethane	U		0.0237	0.0625
1,1,2,2-Tetrachloroethane	U		0.0174	0.0625
Tetrachloroethene	U		0.0224	0.0625
Tetrahydrofuran	U		0.0880	0.313
Toluene	U		0.0325	0.125
1,1,2-Trichlorotrifluoroethane	U		0.0189	0.0625
1,2,3-Trichlorobenzene	U		0.183	0.313
1,2,4-Trichlorobenzene	U		0.110	0.313
1,1,1-Trichloroethane	U		0.0231	0.0625
1,1,2-Trichloroethane	U		0.0149	0.0625
Trichlorofluoromethane	U		0.0207	0.0625
1,2,3-Trichloropropane	U		0.0405	0.313
1,2,3-Trimethylbenzene	U		0.0395	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Vinyl chloride	U		0.0290	0.0625
Xylenes, Total	U		0.0220	0.163
Allyl Chloride	U		0.100	0.625
(S) Toluene-d8	*97.9*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.9*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

QUALITY CONTROL SUMMARY

L1431799-22,23

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731062-1 11/17/21 07:10 • (LCSD) R3731062-2 11/17/21 07:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.693	0.638	111	102	30.0-160			8.26	31
Acrylonitrile	0.625	0.680	0.609	109	97.4	45.0-153			11.0	22
Benzene	0.125	0.141	0.120	113	96.0	70.0-123			16.1	20
Bromobenzene	0.125	0.126	0.120	101	96.0	73.0-121			4.88	20
Bromodichloromethane	0.125	0.130	0.119	104	95.2	73.0-121			8.84	20
Bromoform	0.125	0.109	0.104	87.2	83.2	64.0-132			4.69	20
Bromomethane	0.125	0.125	0.111	100	88.8	56.0-147			11.9	20
n-Butylbenzene	0.125	0.126	0.106	101	84.8	68.0-135			17.2	20
sec-Butylbenzene	0.125	0.124	0.106	99.2	84.8	74.0-130			15.7	20
tert-Butylbenzene	0.125	0.127	0.106	102	84.8	75.0-127			18.0	20
Carbon tetrachloride	0.125	0.142	0.120	114	96.0	66.0-128			16.8	20
Chlorobenzene	0.125	0.120	0.104	96.0	83.2	76.0-128			14.3	20
Chlorodibromomethane	0.125	0.109	0.100	87.2	80.0	74.0-127			8.61	20
Chloroethane	0.125	0.136	0.120	109	96.0	61.0-134			12.5	20
Chloroform	0.125	0.138	0.121	110	96.8	72.0-123			13.1	20
Chloromethane	0.125	0.153	0.129	122	103	51.0-138			17.0	20
2-Chlorotoluene	0.125	0.123	0.107	98.4	85.6	75.0-124			13.9	20
4-Chlorotoluene	0.125	0.120	0.105	96.0	84.0	75.0-124			13.3	20
1,2-Dibromo-3-Chloropropane	0.125	0.115	0.115	92.0	92.0	59.0-130			0.000	20
1,2-Dibromoethane	0.125	0.118	0.109	94.4	87.2	74.0-128			7.93	20
Dibromomethane	0.125	0.136	0.128	109	102	75.0-122			6.06	20
1,2-Dichlorobenzene	0.125	0.119	0.108	95.2	86.4	76.0-124			9.69	20
1,3-Dichlorobenzene	0.125	0.120	0.108	96.0	86.4	76.0-125			10.5	20
1,4-Dichlorobenzene	0.125	0.111	0.103	88.8	82.4	77.0-121			7.48	20
Dichlorodifluoromethane	0.125	0.132	0.114	106	91.2	43.0-156			14.6	20
Dichlorofluoromethane	0.125	0.144	0.126	115	101	65.0-137			13.3	20
1,1-Dichloroethane	0.125	0.150	0.122	120	97.6	70.0-127		J3	20.6	20
1,2-Dichloroethane	0.125	0.137	0.131	110	105	65.0-131			4.48	20
1,1-Dichloroethene	0.125	0.145	0.117	116	93.6	65.0-131		J3	21.4	20
cis-1,2-Dichloroethene	0.125	0.137	0.119	110	95.2	73.0-125			14.1	20
trans-1,2-Dichloroethene	0.125	0.139	0.112	111	89.6	71.0-125		J3	21.5	20
1,2-Dichloropropane	0.125	0.144	0.132	115	106	74.0-125			8.70	20
1,1-Dichloropropene	0.125	0.152	0.126	122	101	73.0-125			18.7	20
1,3-Dichloropropane	0.125	0.121	0.115	96.8	92.0	80.0-125			5.08	20
cis-1,3-Dichloropropene	0.125	0.139	0.130	111	104	76.0-127			6.69	20
trans-1,3-Dichloropropene	0.125	0.130	0.117	104	93.6	73.0-127			10.5	20
2,2-Dichloropropane	0.125	0.131	0.115	105	92.0	59.0-135			13.0	20
Di-isopropyl ether	0.125	0.141	0.126	113	101	60.0-136			11.2	20
Ethylbenzene	0.125	0.117	0.100	93.6	80.0	74.0-126			15.7	20
Ethyl ether	0.125	0.136	0.121	109	96.8	64.0-137			11.7	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731062-1 11/17/21 07:10 • (LCSD) R3731062-2 11/17/21 07:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.125	0.172	0.148	138	118	57.0-150			15.0	20
2-Hexanone	0.625	0.674	0.623	108	99.7	54.0-147			7.86	20
Isopropylbenzene	0.125	0.121	0.101	96.8	80.8	72.0-127			18.0	20
p-Isopropyltoluene	0.125	0.117	0.100	93.6	80.0	72.0-133			15.7	20
2-Butanone (MEK)	0.625	0.778	0.745	124	119	30.0-160			4.33	24
Methylene Chloride	0.125	0.135	0.114	108	91.2	68.0-123			16.9	20
4-Methyl-2-pentanone (MIBK)	0.625	0.674	0.614	108	98.2	56.0-143			9.32	20
Methyl tert-butyl ether	0.125	0.134	0.118	107	94.4	66.0-132			12.7	20
Naphthalene	0.125	0.133	0.124	106	99.2	59.0-130			7.00	20
n-Propylbenzene	0.125	0.129	0.108	103	86.4	74.0-126			17.7	20
Styrene	0.125	0.114	0.0987	91.2	79.0	72.0-127			14.4	20
1,1,1,2-Tetrachloroethane	0.125	0.113	0.0970	90.4	77.6	74.0-129			15.2	20
1,1,2,2-Tetrachloroethane	0.125	0.111	0.107	88.8	85.6	68.0-128			3.67	20
Tetrachloroethene	0.125	0.129	0.108	103	86.4	70.0-136			17.7	20
Tetrahydrofuran	0.125	0.150	0.144	120	115	37.0-146			4.08	24
Toluene	0.125	0.123	0.104	98.4	83.2	75.0-121			16.7	20
1,1,2-Trichlorotrifluoroethane	0.125	0.145	0.128	116	102	61.0-139			12.5	20
1,2,3-Trichlorobenzene	0.125	0.130	0.122	104	97.6	59.0-139			6.35	20
1,2,4-Trichlorobenzene	0.125	0.137	0.131	110	105	62.0-137			4.48	20
1,1,1-Trichloroethane	0.125	0.141	0.114	113	91.2	69.0-126		J3	21.2	20
1,1,2-Trichloroethane	0.125	0.120	0.109	96.0	87.2	78.0-123			9.61	20
Trichlorofluoromethane	0.125	0.126	0.117	101	93.6	61.0-142			7.41	20
1,2,3-Trichloropropane	0.125	0.116	0.113	92.8	90.4	67.0-129			2.62	20
1,2,3-Trimethylbenzene	0.125	0.118	0.107	94.4	85.6	74.0-124			9.78	20
1,2,4-Trimethylbenzene	0.125	0.122	0.102	97.6	81.6	70.0-126			17.9	20
1,3,5-Trimethylbenzene	0.125	0.123	0.105	98.4	84.0	73.0-127			15.8	20
Vinyl chloride	0.125	0.144	0.125	115	100	63.0-134			14.1	20
Xylenes, Total	0.375	0.361	0.301	96.3	80.3	72.0-127			18.1	20
Allyl chloride	0.625	0.641	0.508	103	81.3	70.0-131		J3	23.2	20
(S) Toluene-d8				*97.7*	*95.5*	*75.0-131*				
(S) 4-Bromofluorobenzene				*102*	*101*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*106*	*107*	*70.0-130*				

L1430604-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1430604-04 11/17/21 14:31 • (MS) R3731062-4 11/17/21 17:21 • (MSD) R3731062-5 11/17/21 17:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acrylonitrile	0.657	U	0.551	0.554	83.8	84.2	1	10.0-160			0.481	40
Bromobenzene	0.131	U	0.122	0.133	92.7	101	1	10.0-156			8.55	38
Acetone	0.657	U	U	U	56.4	55.2	1	10.0-160			2.17	40
n-Butylbenzene	0.131	U	U	U	91.9	101	1	10.0-160			9.42	40
Benzene	0.131	U	0.117	0.131	89.3	99.8	1	10.0-149			11.1	37
sec-Butylbenzene	0.131	U	0.114	0.134	86.7	102	1	10.0-159			16.3	39
tert-Butylbenzene	0.131	U	0.111	0.132	84.5	100	1	10.0-156			17.0	39
Bromodichloromethane	0.131	U	0.122	0.128	92.9	97.4	1	10.0-143			4.67	37
Bromoform	0.131	U	0.110	0.112	83.7	85.2	1	10.0-146			1.67	36
Bromomethane	0.131	U	0.0980	0.112	74.5	85.1	1	10.0-149			13.2	38
2-Chlorotoluene	0.131	U	0.113	0.128	85.8	97.2	1	10.0-159			12.5	38
4-Chlorotoluene	0.131	U	0.109	0.120	83.0	91.2	1	10.0-155			9.39	39
Carbon tetrachloride	0.131	U	0.121	0.145	92.0	110	1	10.0-145			17.9	37
Chlorobenzene	0.131	U	0.106	0.120	80.3	91.3	1	10.0-152			12.8	39
Chlorodibromomethane	0.131	U	0.104	0.110	79.0	83.8	1	10.0-146			5.96	37
Dibromomethane	0.131	U	0.129	0.137	98.3	104	1	10.0-147			5.69	35
Chloroethane	0.131	U	0.0879	0.106	66.9	80.7	1	10.0-146			18.8	40
Chloroform	0.131	U	0.119	0.132	90.2	101	1	10.0-146			10.8	37
Chloromethane	0.131	U	U	0.154	98.5	117	1	10.0-159			17.3	37
1,2-Dibromo-3-Chloropropane	0.131	U	U	U	71.9	73.0	1	10.0-151			1.53	39
1,2-Dibromoethane	0.131	U	0.114	0.120	86.9	91.6	1	10.0-148			5.32	34
1,2-Dichlorobenzene	0.131	U	0.115	0.124	87.2	94.1	1	10.0-155			7.69	37
1,3-Dichlorobenzene	0.131	U	0.111	0.123	84.4	93.2	1	10.0-153			9.89	38
1,4-Dichlorobenzene	0.131	U	0.107	0.117	81.3	89.4	1	10.0-151			9.47	38
1,1-Dichloropropene	0.131	U	0.126	0.149	95.7	113	1	10.0-153			16.7	35
1,3-Dichloropropane	0.131	U	0.120	0.127	91.5	96.6	1	10.0-154			5.37	35
Dichlorodifluoromethane	0.131	U	0.109	0.132	83.2	100	1	10.0-160			18.5	35
1,1-Dichloroethane	0.131	U	0.121	0.134	91.8	102	1	10.0-147			10.5	37
1,2-Dichloroethane	0.131	U	0.134	0.138	102	105	1	10.0-148			2.93	35
2,2-Dichloropropane	0.131	U	0.0972	0.116	73.9	88.6	1	10.0-138			18.0	36
1,1-Dichloroethene	0.131	U	0.127	0.151	96.6	115	1	10.0-155			17.6	37
cis-1,2-Dichloroethene	0.131	U	0.115	0.132	87.5	100	1	10.0-149			13.8	37
Di-isopropyl ether	0.131	U	0.127	0.135	97.0	103	1	10.0-147			6.06	36
trans-1,2-Dichloroethene	0.131	U	0.110	0.132	83.6	100	1	10.0-150			18.2	37
1,2-Dichloropropane	0.131	U	0.131	0.142	99.5	108	1	10.0-148			8.27	37
Hexachloro-1,3-butadiene	0.131	U	U	U	123	142	1	10.0-160			14.4	40
cis-1,3-Dichloropropene	0.131	U	0.135	0.143	103	109	1	10.0-151			5.71	37
trans-1,3-Dichloropropene	0.131	U	0.126	0.139	95.7	106	1	10.0-148			10.3	37
p-Isopropyltoluene	0.131	U	0.112	0.125	85.2	94.9	1	10.0-160			10.9	40

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

L1430604-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1430604-04 11/17/21 14:31 • (MS) R3731062-4 11/17/21 17:21 • (MSD) R3731062-5 11/17/21 17:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.131	U	0.0984	0.117	74.8	88.8	1	10.0-160			17.0	38
2-Hexanone	0.657	U	0.539	0.548	82.0	83.4	1	10.0-160			1.71	36
Naphthalene	0.131	U	U	U	121	105	1	10.0-160			14.3	36
Isopropylbenzene	0.131	U	0.101	0.119	77.2	90.3	1	10.0-155			15.7	38
n-Propylbenzene	0.131	U	0.110	0.131	83.8	99.8	1	10.0-158			17.4	38
2-Butanone (MEK)	0.657	U	U	U	90.5	79.8	1	10.0-160			12.6	40
1,1,1,2-Tetrachloroethane	0.131	U	0.0989	0.109	75.3	82.6	1	10.0-149			9.34	39
Methylene Chloride	0.131	U	U	U	109	119	1	10.0-141			8.85	37
4-Methyl-2-pentanone (MIBK)	0.657	U	0.580	0.593	88.3	90.3	1	10.0-160			2.26	35
Methyl tert-butyl ether	0.131	U	0.129	0.137	98.4	104	1	11.0-147			5.59	35
Dichlorofluoromethane	0.131	U	0.0951	0.117	72.3	88.8	1	10.0-160			20.4	34
Styrene	0.131	U	0.100	0.116	76.4	88.0	1	10.0-160			14.1	40
1,1,2,2-Tetrachloroethane	0.131	U	0.0981	0.0886	74.6	67.4	1	10.0-160			10.2	35
1,2,3-Trichloropropane	0.131	U	0.113	0.119	85.9	90.5	1	10.0-156			5.27	35
Tetrachloroethene	0.131	U	0.105	0.135	79.6	103	1	10.0-156			25.7	39
1,2,3-Trimethylbenzene	0.131	U	0.117	0.122	89.3	93.0	1	10.0-160			4.10	36
1,2,4-Trimethylbenzene	0.131	U	0.117	0.120	89.0	91.1	1	10.0-160			2.36	36
Toluene	0.131	U	0.109	0.125	81.0	93.1	1	10.0-156			13.7	38
1,1,2-Trichlorotrifluoroethane	0.131	U	0.131	0.155	99.6	118	1	10.0-160			17.1	36
1,3,5-Trimethylbenzene	0.131	U	0.107	0.126	81.6	95.6	1	10.0-160			15.7	38
1,2,3-Trichlorobenzene	0.131	U	U	U	109	116	1	10.0-160			6.28	40
1,2,4-Trichlorobenzene	0.131	U	U	0.151	105	115	1	10.0-160			9.17	40
1,1,1-Trichloroethane	0.131	U	0.116	0.139	88.5	106	1	10.0-144			18.1	35
1,1,2-Trichloroethane	0.131	U	0.116	0.125	88.3	94.9	1	10.0-160			7.28	35
Ethyl ether	0.131	U	0.119	0.116	90.2	88.4	1	10.0-160			2.04	31
Trichlorofluoromethane	0.131	U	0.0929	0.110	70.7	83.3	1	10.0-160			16.4	40
Vinyl chloride	0.131	U	0.129	0.153	98.2	116	1	10.0-160			16.8	37
Xylenes, Total	0.394	U	0.300	0.356	76.1	90.2	1	10.0-160			17.0	38
Tetrahydrofuran	0.131	U	U	U	73.1	74.5	1	10.0-158			1.92	33
Allyl chloride	0.657	U	0.518	0.599	78.8	91.1	1	10.0-160			14.5	30
(S) Toluene-d8					*97.6*	*97.8*		*75.0-131*				
(S) 4-Bromofluorobenzene					*101*	*102*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*103*	*98.9*		*70.0-130*				

L1431799-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1431799-22 11/17/21 12:00 • (MS) R3731062-6 11/17/21 19:56 • (MSD) R3731062-7 11/17/21 20:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acrylonitrile	0.833	U	0.845	0.695	101	83.4	1.05	10.0-160			19.4	40
Bromobenzene	0.166	U	0.105	0.154	63.2	92.4	1.05	10.0-156			37.5	38
Acetone	0.833	U	U	U	65.9	67.7	1.05	10.0-160			2.73	40
n-Butylbenzene	0.166	U	U	U	58.8	90.8	1.05	10.0-160		J3	42.9	40
Benzene	0.166	U	0.0986	0.155	59.3	93.1	1.05	10.0-149		J3	44.4	37
sec-Butylbenzene	0.166	U	U	0.147	52.7	88.5	1.05	10.0-159	J6	J3	50.7	39
tert-Butylbenzene	0.166	U	0.0863	0.142	51.9	85.5	1.05	10.0-156		J3	48.9	39
Bromodichloromethane	0.166	U	0.114	0.154	68.7	92.4	1.05	10.0-143			29.4	37
Bromoform	0.166	U	0.120	0.136	72.0	81.7	1.05	10.0-146			12.6	36
Bromomethane	0.166	U	0.0718	0.111	43.2	66.9	1.05	10.0-149		J3	43.0	38
2-Chlorotoluene	0.166	U	0.0920	0.147	55.3	88.5	1.05	10.0-159		J3	46.2	38
4-Chlorotoluene	0.166	U	0.0889	0.137	53.5	82.4	1.05	10.0-155		J3	42.6	39
Carbon tetrachloride	0.166	U	0.0962	0.165	57.9	99.2	1.05	10.0-145		J3	52.7	37
Chlorobenzene	0.166	U	0.0953	0.136	57.3	81.7	1.05	10.0-152			35.0	39
Chlorodibromomethane	0.166	U	0.108	0.136	65.3	81.7	1.05	10.0-146			22.3	37
Dibromomethane	0.166	U	0.145	0.165	87.0	99.2	1.05	10.0-147			13.1	35
Chloroethane	0.166	U	U	0.115	32.4	69.5	1.05	10.0-146	J6	J3	72.7	40
Chloroform	0.166	U	0.112	0.160	67.6	96.2	1.05	10.0-146			35.0	37
Chloromethane	0.166	U	U	0.160	53.9	96.2	1.05	10.0-159		J3	56.4	37
1,2-Dibromo-3-Chloropropane	0.166	U	U	0.129	63.2	77.9	1.05	10.0-151			20.8	39
1,2-Dibromoethane	0.166	U	0.126	0.146	75.6	87.8	1.05	10.0-148			15.0	34
1,2-Dichlorobenzene	0.166	U	0.105	0.143	63.1	86.3	1.05	10.0-155			31.0	37
1,3-Dichlorobenzene	0.166	U	0.0959	0.142	57.7	85.5	1.05	10.0-153		J3	38.8	38
1,4-Dichlorobenzene	0.166	U	0.0972	0.138	58.5	83.2	1.05	10.0-151			34.9	38
1,1-Dichloropropene	0.166	U	0.0917	0.165	55.2	99.2	1.05	10.0-153		J3	57.0	35
1,3-Dichloropropane	0.166	U	0.125	0.152	75.3	91.6	1.05	10.0-154			19.6	35
Dichlorodifluoromethane	0.166	U	0.0778	0.156	46.8	93.9	1.05	10.0-160		J3	67.0	35
1,1-Dichloroethane	0.166	U	0.106	0.165	63.7	99.2	1.05	10.0-147		J3	43.7	37
1,2-Dichloroethane	0.166	U	0.134	0.173	80.9	104	1.05	10.0-148			24.8	35
2,2-Dichloropropane	0.166	U	0.0728	0.132	43.8	79.4	1.05	10.0-138		J3	57.7	36
1,1-Dichloroethene	0.166	U	0.0853	0.161	51.3	96.9	1.05	10.0-155		J3	61.6	37
cis-1,2-Dichloroethene	0.166	U	0.109	0.159	65.4	95.4	1.05	10.0-149		J3	37.3	37
Di-isopropyl ether	0.166	U	0.129	0.171	77.9	103	1.05	10.0-147			27.8	36
trans-1,2-Dichloroethene	0.166	U	0.0878	0.148	52.8	89.3	1.05	10.0-150		J3	51.3	37
1,2-Dichloropropane	0.166	U	0.118	0.169	71.1	102	1.05	10.0-148			35.2	37
Hexachloro-1,3-butadiene	0.166	U	U	0.217	86.3	131	1.05	10.0-160		J3	40.8	40
cis-1,3-Dichloropropene	0.166	U	0.129	0.167	77.9	101	1.05	10.0-151			25.6	37
trans-1,3-Dichloropropene	0.166	U	0.127	0.162	76.3	97.7	1.05	10.0-148			24.6	37
p-Isopropyltoluene	0.166	U	0.0883	0.138	53.1	83.2	1.05	10.0-160		J3	44.1	40

L1431799-22 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1431799-22 11/17/21 12:00 • (MS) R3731062-6 11/17/21 19:56 • (MSD) R3731062-7 11/17/21 20:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethylbenzene	0.166	U	0.0906	0.134	54.5	80.9	1.05	10.0-160		J3	39.0	38
2-Hexanone	0.833	U	0.774	0.714	92.8	85.7	1.05	10.0-160			8.01	36
Naphthalene	0.166	U	U	0.173	74.5	104	1.05	10.0-160			32.9	36
Isopropylbenzene	0.166	U	0.0925	0.138	55.6	83.2	1.05	10.0-155		J3	39.7	38
n-Propylbenzene	0.166	U	0.0907	0.150	54.6	90.1	1.05	10.0-158		J3	49.1	38
2-Butanone (MEK)	0.833	U	U	U	96.8	98.9	1.05	10.0-160			2.18	40
1,1,1,2-Tetrachloroethane	0.166	U	0.0969	0.131	58.3	78.6	1.05	10.0-149			29.7	39
Methylene Chloride	0.166	U	U	U	73.7	103	1.05	10.0-141			33.2	37
4-Methyl-2-pentanone (MIBK)	0.833	U	0.747	0.760	89.6	91.2	1.05	10.0-160			1.68	35
Methyl tert-butyl ether	0.166	U	0.137	0.164	82.4	98.5	1.05	11.0-147			17.7	35
Dichlorofluoromethane	0.166	U	0.0628	0.125	37.8	75.0	1.05	10.0-160		J3	66.0	34
Styrene	0.166	U	0.0948	0.134	57.0	80.9	1.05	10.0-160			34.6	40
1,1,2,2-Tetrachloroethane	0.166	U	0.118	0.142	71.1	85.5	1.05	10.0-160			18.3	35
1,2,3-Trichloropropane	0.166	U	0.120	0.145	72.4	87.0	1.05	10.0-156			18.4	35
Tetrachloroethene	0.166	U	0.0968	0.165	58.2	99.2	1.05	10.0-156		J3	52.1	39
1,2,3-Trimethylbenzene	0.166	U	0.101	0.146	60.5	87.8	1.05	10.0-160		J3	36.7	36
1,2,4-Trimethylbenzene	0.166	U	0.104	0.148	62.4	89.3	1.05	10.0-160			35.4	36
Toluene	0.166	U	0.0959	0.147	57.7	88.5	1.05	10.0-156		J3	42.2	38
1,1,2-Trichlorotrifluoroethane	0.166	U	0.0927	0.180	55.8	108	1.05	10.0-160		J3	64.1	36
1,3,5-Trimethylbenzene	0.166	U	0.0925	0.147	55.6	88.5	1.05	10.0-160		J3	45.6	38
1,2,3-Trichlorobenzene	0.166	U	U	U	73.1	102	1.05	10.0-160			33.2	40
1,2,4-Trichlorobenzene	0.166	U	U	0.176	74.9	106	1.05	10.0-160			34.5	40
1,1,1-Trichloroethane	0.166	0.0458	0.132	0.204	51.8	95.3	1.05	10.0-144		J3	43.0	35
1,1,2-Trichloroethane	0.166	U	0.127	0.154	76.2	92.4	1.05	10.0-160			19.2	35
Ethyl ether	0.166	U	0.100	0.137	60.5	82.4	1.05	10.0-160			30.8	31
Trichlorofluoromethane	0.166	U	0.0507	0.112	30.5	67.1	1.05	10.0-160		J3	74.9	40
Vinyl chloride	0.166	U	0.0841	0.161	50.6	96.9	1.05	10.0-160		J3	62.8	37
Xylenes, Total	0.500	0.0350	0.304	0.440	53.9	81.1	1.05	10.0-160			36.5	38
Tetrahydrofuran	0.166	U	0.147	0.141	88.5	84.7	1.05	10.0-158			4.41	33
Allyl chloride	0.833	U	0.434	0.713	52.1	85.5	1.05	10.0-160		J3	48.7	30
(S) Toluene-d8					*96.3*	*95.3*		*75.0-131*				
(S) 4-Bromofluorobenzene					*105*	*103*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*105*	*103*		*70.0-130*				

Method Blank (MB)

(MB) R3731240-3 11/18/21 11:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Trichloroethene	U		0.0146	0.0250
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731240-1 11/18/21 09:50 • (LCSD) R3731240-2 11/18/21 10:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethene	0.125	0.126	0.130	101	104	76.0-126			3.12	20
(S) Toluene-d8				*108*	*107*	*75.0-131*				
(S) 4-Bromofluorobenzene				*108*	*105*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.3*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R3731326-3 11/18/21 11:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.913	1.25
Acrylonitrile	U		0.0903	0.313
Benzene	U		0.0117	0.0250
Bromobenzene	U		0.0225	0.313
Bromodichloromethane	U		0.0181	0.0625
Bromoform	U		0.0293	0.625
Bromomethane	U		0.0493	0.313
n-Butylbenzene	U		0.131	0.313
sec-Butylbenzene	U		0.0720	0.313
tert-Butylbenzene	U		0.0488	0.125
Carbon tetrachloride	U		0.0225	0.125
Chlorobenzene	U		0.00525	0.0625
Chlorodibromomethane	U		0.0153	0.0625
Chloroethane	U		0.0425	0.125
Chloroform	U		0.0258	0.0625
Chloromethane	U		0.109	0.313
2-Chlorotoluene	U		0.0216	0.0625
4-Chlorotoluene	U		0.0113	0.125
1,2-Dibromo-3-Chloropropane	U		0.0975	0.625
1,2-Dibromoethane	U		0.0162	0.0625
Dibromomethane	U		0.0188	0.125
1,2-Dichlorobenzene	U		0.0106	0.125
1,3-Dichlorobenzene	U		0.0150	0.125
1,4-Dichlorobenzene	U		0.0175	0.125
Dichlorodifluoromethane	U		0.0403	0.0625
Dichlorofluoromethane	U		0.0313	0.0625
1,1-Dichloroethane	U		0.0123	0.0625
1,2-Dichloroethane	U		0.0162	0.0625
1,1-Dichloroethene	U		0.0152	0.0625
cis-1,2-Dichloroethene	U		0.0184	0.0625
trans-1,2-Dichloroethene	U		0.0260	0.125
1,2-Dichloropropane	U		0.0355	0.125
1,1-Dichloropropene	U		0.0202	0.0625
1,3-Dichloropropane	U		0.0125	0.125
cis-1,3-Dichloropropene	U		0.0189	0.0625
trans-1,3-Dichloropropene	U		0.0285	0.125
2,2-Dichloropropane	U		0.0345	0.0625
Di-isopropyl ether	U		0.0103	0.0250
Ethylbenzene	U		0.0184	0.0625
Ethyl ether	U		0.0223	0.0625

Method Blank (MB)

(MB) R3731326-3 11/18/21 11:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.150	0.625
2-Hexanone	U		0.0840	0.625
Isopropylbenzene	U		0.0106	0.0625
p-Isopropyltoluene	U		0.0638	0.125
2-Butanone (MEK)	U		1.59	2.50
Methylene Chloride	U		0.166	0.625
4-Methyl-2-pentanone (MIBK)	U		0.0570	0.625
Methyl tert-butyl ether	U		0.00875	0.0250
Naphthalene	U		0.122	0.313
n-Propylbenzene	U		0.0238	0.125
Styrene	U		0.00573	0.313
1,1,1,2-Tetrachloroethane	U		0.0237	0.0625
1,1,2,2-Tetrachloroethane	U		0.0174	0.0625
Tetrachloroethene	U		0.0224	0.0625
Tetrahydrofuran	U		0.0880	0.313
Toluene	U		0.0325	0.125
1,1,2-Trichlorotrifluoroethane	U		0.0189	0.0625
1,2,4-Trichlorobenzene	U		0.110	0.313
1,1,1-Trichloroethane	U		0.0231	0.0625
1,1,2-Trichloroethane	U		0.0149	0.0625
Trichloroethene	U		0.0146	0.0250
Trichlorofluoromethane	U		0.0207	0.0625
1,2,3-Trichloropropane	U		0.0405	0.313
1,2,3-Trimethylbenzene	U		0.0395	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Vinyl chloride	U		0.0290	0.0625
Xylenes, Total	U		0.0220	0.163
Allyl Chloride	U		0.100	0.625
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731326-1 11/18/21 09:50 • (LCSD) R3731326-2 11/18/21 10:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.504	0.488	80.6	78.1	30.0-160			3.23	31
Acrylonitrile	0.625	0.526	0.575	84.2	92.0	45.0-153			8.90	22
Benzene	0.125	0.116	0.117	92.8	93.6	70.0-123			0.858	20
Bromobenzene	0.125	0.115	0.121	92.0	96.8	73.0-121			5.08	20
Bromodichloromethane	0.125	0.112	0.113	89.6	90.4	73.0-121			0.889	20
Bromoform	0.125	0.114	0.115	91.2	92.0	64.0-132			0.873	20
Bromomethane	0.125	0.114	0.116	91.2	92.8	56.0-147			1.74	20
n-Butylbenzene	0.125	0.123	0.124	98.4	99.2	68.0-135			0.810	20
sec-Butylbenzene	0.125	0.121	0.126	96.8	101	74.0-130			4.05	20
tert-Butylbenzene	0.125	0.112	0.115	89.6	92.0	75.0-127			2.64	20
Carbon tetrachloride	0.125	0.125	0.131	100	105	66.0-128			4.69	20
Chlorobenzene	0.125	0.116	0.115	92.8	92.0	76.0-128			0.866	20
Chlorodibromomethane	0.125	0.121	0.118	96.8	94.4	74.0-127			2.51	20
Chloroethane	0.125	0.115	0.118	92.0	94.4	61.0-134			2.58	20
Chloroform	0.125	0.110	0.114	88.0	91.2	72.0-123			3.57	20
Chloromethane	0.125	0.104	0.107	83.2	85.6	51.0-138			2.84	20
2-Chlorotoluene	0.125	0.120	0.125	96.0	100	75.0-124			4.08	20
4-Chlorotoluene	0.125	0.114	0.122	91.2	97.6	75.0-124			6.78	20
1,2-Dibromo-3-Chloropropane	0.125	0.122	0.122	97.6	97.6	59.0-130			0.000	20
1,2-Dibromoethane	0.125	0.126	0.123	101	98.4	74.0-128			2.41	20
Dibromomethane	0.125	0.118	0.117	94.4	93.6	75.0-122			0.851	20
1,2-Dichlorobenzene	0.125	0.124	0.125	99.2	100	76.0-124			0.803	20
1,3-Dichlorobenzene	0.125	0.115	0.121	92.0	96.8	76.0-125			5.08	20
1,4-Dichlorobenzene	0.125	0.116	0.117	92.8	93.6	77.0-121			0.858	20
Dichlorodifluoromethane	0.125	0.115	0.117	92.0	93.6	43.0-156			1.72	20
Dichlorofluoromethane	0.125	0.118	0.122	94.4	97.6	65.0-137			3.33	20
1,1-Dichloroethane	0.125	0.120	0.122	96.0	97.6	70.0-127			1.65	20
1,2-Dichloroethane	0.125	0.107	0.109	85.6	87.2	65.0-131			1.85	20
1,1-Dichloroethene	0.125	0.121	0.120	96.8	96.0	65.0-131			0.830	20
cis-1,2-Dichloroethene	0.125	0.112	0.112	89.6	89.6	73.0-125			0.000	20
trans-1,2-Dichloroethene	0.125	0.119	0.121	95.2	96.8	71.0-125			1.67	20
1,2-Dichloropropane	0.125	0.122	0.126	97.6	101	74.0-125			3.23	20
1,1-Dichloropropene	0.125	0.120	0.122	96.0	97.6	73.0-125			1.65	20
1,3-Dichloropropane	0.125	0.119	0.121	95.2	96.8	80.0-125			1.67	20
cis-1,3-Dichloropropene	0.125	0.114	0.117	91.2	93.6	76.0-127			2.60	20
trans-1,3-Dichloropropene	0.125	0.111	0.114	88.8	91.2	73.0-127			2.67	20
2,2-Dichloropropane	0.125	0.108	0.106	86.4	84.8	59.0-135			1.87	20
Di-isopropyl ether	0.125	0.108	0.113	86.4	90.4	60.0-136			4.52	20
Ethylbenzene	0.125	0.122	0.120	97.6	96.0	74.0-126			1.65	20
Ethyl ether	0.125	0.110	0.112	88.0	89.6	64.0-137			1.80	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731326-1 11/18/21 09:50 • (LCSD) R3731326-2 11/18/21 10:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.125	0.0934	0.0919	74.7	73.5	57.0-150			1.62	20
2-Hexanone	0.625	0.626	0.617	100	98.7	54.0-147			1.45	20
Isopropylbenzene	0.125	0.126	0.123	101	98.4	72.0-127			2.41	20
p-Isopropyltoluene	0.125	0.117	0.120	93.6	96.0	72.0-133			2.53	20
2-Butanone (MEK)	0.625	0.584	0.615	93.4	98.4	30.0-160			5.17	24
Methylene Chloride	0.125	0.107	0.110	85.6	88.0	68.0-123			2.76	20
4-Methyl-2-pentanone (MIBK)	0.625	0.606	0.598	97.0	95.7	56.0-143			1.33	20
Methyl tert-butyl ether	0.125	0.115	0.118	92.0	94.4	66.0-132			2.58	20
Naphthalene	0.125	0.0761	0.0781	60.9	62.5	59.0-130			2.59	20
n-Propylbenzene	0.125	0.113	0.120	90.4	96.0	74.0-126			6.01	20
Styrene	0.125	0.124	0.125	99.2	100	72.0-127			0.803	20
1,1,1,2-Tetrachloroethane	0.125	0.127	0.129	102	103	74.0-129			1.56	20
1,1,2,2-Tetrachloroethane	0.125	0.104	0.109	83.2	87.2	68.0-128			4.69	20
Tetrachloroethene	0.125	0.121	0.126	96.8	101	70.0-136			4.05	20
Tetrahydrofuran	0.125	0.123	0.126	98.4	101	37.0-146			2.41	24
Toluene	0.125	0.120	0.119	96.0	95.2	75.0-121			0.837	20
1,1,2-Trichlorotrifluoroethane	0.125	0.125	0.127	100	102	61.0-139			1.59	20
1,2,4-Trichlorobenzene	0.125	0.0698	0.0769	55.8	61.5	62.0-137	J4	J4	9.68	20
1,1,1-Trichloroethane	0.125	0.115	0.118	92.0	94.4	69.0-126			2.58	20
1,1,2-Trichloroethane	0.125	0.120	0.115	96.0	92.0	78.0-123			4.26	20
Trichloroethene	0.125	0.126	0.130	101	104	76.0-126			3.12	20
Trichlorofluoromethane	0.125	0.112	0.114	89.6	91.2	61.0-142			1.77	20
1,2,3-Trichloropropane	0.125	0.109	0.114	87.2	91.2	67.0-129			4.48	20
1,2,3-Trimethylbenzene	0.125	0.119	0.116	95.2	92.8	74.0-124			2.55	20
1,2,4-Trimethylbenzene	0.125	0.115	0.120	92.0	96.0	70.0-126			4.26	20
1,3,5-Trimethylbenzene	0.125	0.116	0.121	92.8	96.8	73.0-127			4.22	20
Vinyl chloride	0.125	0.113	0.121	90.4	96.8	63.0-134			6.84	20
Xylenes, Total	0.375	0.372	0.359	99.2	95.7	72.0-127			3.56	20
Allyl chloride	0.625	0.580	0.597	92.8	95.5	70.0-131			2.89	20
(S) Toluene-d8				*108*	*107*	*75.0-131*				
(S) 4-Bromofluorobenzene				*108*	*105*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*99.3*	*100*	*70.0-130*				

Method Blank (MB)

(MB) R3731582-3 11/19/21 10:11

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,2,3-Trichlorobenzene	U		0.183	0.313
(S) Toluene-d8	*116*			*75.0-131*
(S) 4-Bromofluorobenzene	*102*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*91.7*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731582-1 11/19/21 08:55 • (LCSD) R3731582-2 11/19/21 09:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2,3-Trichlorobenzene	0.125	0.156	0.160	125	128	59.0-139			2.53	20
(S) Toluene-d8				*114*	*113*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*103*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*93.1*	*94.3*	*70.0-130*				

Method Blank (MB)

(MB) R3731028-4 11/17/21 17:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
2-Chloroethyl vinyl ether	U		0.000575	0.0500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
Dichlorofluoromethane	U		0.000130	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100

Method Blank (MB)

(MB) R3731028-4 11/17/21 17:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylbenzene	U		0.000137	0.00100
Ethyl ether	U		0.000115	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
2-Hexanone	U		0.000787	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Tetrahydrofuran	U		0.000929	0.00500
Toluene	U		0.000278	0.00100
1,1,2-Trichlorotrifluoroethane	U		0.000180	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,3-Trimethylbenzene	U		0.000104	0.00100
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
Allyl Chloride	U		0.000500	0.00500
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*97.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*

QUALITY CONTROL SUMMARY

L1431799-14,25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731028-1 11/17/21 16:29 • (LCSD) R3731028-2 11/17/21 16:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Allyl Chloride	0.0250	0.0230	0.0232	92.0	92.8	72.0-128			0.866	20
Acetone	0.0250	0.0267	0.0269	107	108	19.0-160			0.746	27
Acrolein	0.0250	0.0223	0.0213	89.2	85.2	30.0-160			4.59	26
Acrylonitrile	0.0250	0.0252	0.0249	101	99.6	55.0-149			1.20	20
Benzene	0.00500	0.00470	0.00473	94.0	94.6	70.0-123			0.636	20
Bromobenzene	0.00500	0.00473	0.00483	94.6	96.6	73.0-121			2.09	20
Bromodichloromethane	0.00500	0.00526	0.00529	105	106	75.0-120			0.569	20
Bromoform	0.00500	0.00420	0.00441	84.0	88.2	68.0-132			4.88	20
Bromomethane	0.00500	0.00457	0.00454	91.4	90.8	30.0-160			0.659	25
n-Butylbenzene	0.00500	0.00486	0.00486	97.2	97.2	73.0-125			0.000	20
sec-Butylbenzene	0.00500	0.00471	0.00474	94.2	94.8	75.0-125			0.635	20
tert-Butylbenzene	0.00500	0.00463	0.00473	92.6	94.6	76.0-124			2.14	20
Carbon tetrachloride	0.00500	0.00443	0.00459	88.6	91.8	68.0-126			3.55	20
Chlorobenzene	0.00500	0.00440	0.00470	88.0	94.0	80.0-121			6.59	20
Chlorodibromomethane	0.00500	0.00489	0.00510	97.8	102	77.0-125			4.20	20
Chloroethane	0.00500	0.00593	0.00652	119	130	47.0-150			9.48	20
2-Chloroethyl vinyl ether	0.0250	0.0246	0.0245	98.4	98.0	51.0-160			0.407	20
Chloroform	0.00500	0.00526	0.00540	105	108	73.0-120			2.63	20
Chloromethane	0.00500	0.00430	0.00452	86.0	90.4	41.0-142			4.99	20
2-Chlorotoluene	0.00500	0.00483	0.00488	96.6	97.6	76.0-123			1.03	20
4-Chlorotoluene	0.00500	0.00460	0.00482	92.0	96.4	75.0-122			4.67	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00446	0.00459	89.2	91.8	58.0-134			2.87	20
1,2-Dibromoethane	0.00500	0.00472	0.00481	94.4	96.2	80.0-122			1.89	20
Dibromomethane	0.00500	0.00511	0.00501	102	100	80.0-120			1.98	20
1,2-Dichlorobenzene	0.00500	0.00482	0.00490	96.4	98.0	79.0-121			1.65	20
1,3-Dichlorobenzene	0.00500	0.00477	0.00482	95.4	96.4	79.0-120			1.04	20
1,4-Dichlorobenzene	0.00500	0.00463	0.00460	92.6	92.0	79.0-120			0.650	20
Dichlorodifluoromethane	0.00500	0.00479	0.00481	95.8	96.2	51.0-149			0.417	20
Dichlorofluoromethane	0.00500	0.00557	0.00553	111	111	65.0-133			0.721	20
1,1-Dichloroethane	0.00500	0.00490	0.00500	98.0	100	70.0-126			2.02	20
1,2-Dichloroethane	0.00500	0.00525	0.00524	105	105	70.0-128			0.191	20
1,1-Dichloroethene	0.00500	0.00460	0.00473	92.0	94.6	71.0-124			2.79	20
cis-1,2-Dichloroethene	0.00500	0.00543	0.00540	109	108	73.0-120			0.554	20
trans-1,2-Dichloroethene	0.00500	0.00475	0.00460	95.0	92.0	73.0-120			3.21	20
1,2-Dichloropropane	0.00500	0.00496	0.00506	99.2	101	77.0-125			2.00	20
1,1-Dichloropropene	0.00500	0.00467	0.00471	93.4	94.2	74.0-126			0.853	20
1,3-Dichloropropane	0.00500	0.00467	0.00462	93.4	92.4	80.0-120			1.08	20
cis-1,3-Dichloropropene	0.00500	0.00438	0.00442	87.6	88.4	80.0-123			0.909	20
trans-1,3-Dichloropropene	0.00500	0.00450	0.00455	90.0	91.0	78.0-124			1.10	20
2,2-Dichloropropane	0.00500	0.00470	0.00470	94.0	94.0	58.0-130			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3731028-1 11/17/21 16:29 • (LCSD) R3731028-2 11/17/21 16:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Di-isopropyl ether	0.00500	0.00551	0.00535	110	107	58.0-138			2.95	20
Ethylbenzene	0.00500	0.00443	0.00459	88.6	91.8	79.0-123			3.55	20
Ethyl ether	0.00500	0.00518	0.00497	104	99.4	66.0-130			4.14	20
Hexachloro-1,3-butadiene	0.00500	0.00466	0.00496	93.2	99.2	54.0-138			6.24	20
2-Hexanone	0.0250	0.0246	0.0249	98.4	99.6	67.0-149			1.21	20
Isopropylbenzene	0.00500	0.00464	0.00476	92.8	95.2	76.0-127			2.55	20
p-Isopropyltoluene	0.00500	0.00456	0.00462	91.2	92.4	76.0-125			1.31	20
2-Butanone (MEK)	0.0250	0.0274	0.0270	110	108	44.0-160			1.47	20
Methylene Chloride	0.00500	0.00481	0.00503	96.2	101	67.0-120			4.47	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0255	0.0262	102	105	68.0-142			2.71	20
Methyl tert-butyl ether	0.00500	0.00527	0.00538	105	108	68.0-125			2.07	20
Naphthalene	0.00500	0.00463	0.00485	92.6	97.0	54.0-135			4.64	20
n-Propylbenzene	0.00500	0.00457	0.00465	91.4	93.0	77.0-124			1.74	20
Styrene	0.00500	0.00457	0.00451	91.4	90.2	73.0-130			1.32	20
1,1,1,2-Tetrachloroethane	0.00500	0.00450	0.00475	90.0	95.0	75.0-125			5.41	20
1,1,2,2-Tetrachloroethane	0.00500	0.00454	0.00463	90.8	92.6	65.0-130			1.96	20
Tetrachloroethene	0.00500	0.00465	0.00469	93.0	93.8	72.0-132			0.857	20
Tetrahydrofuran	0.00500	0.00581	0.00589	116	118	41.0-146			1.37	20
Toluene	0.00500	0.00458	0.00472	91.6	94.4	79.0-120			3.01	20
1,1,2-Trichlorotrifluoroethane	0.00500	0.00458	0.00479	91.6	95.8	69.0-132			4.48	20
1,2,3-Trichlorobenzene	0.00500	0.00494	0.00542	98.8	108	50.0-138			9.27	20
1,2,4-Trichlorobenzene	0.00500	0.00484	0.00477	96.8	95.4	57.0-137			1.46	20
1,1,1-Trichloroethane	0.00500	0.00534	0.00547	107	109	73.0-124			2.41	20
1,1,2-Trichloroethane	0.00500	0.00483	0.00494	96.6	98.8	80.0-120			2.25	20
Trichloroethene	0.00500	0.00510	0.00515	102	103	78.0-124			0.976	20
Trichlorofluoromethane	0.00500	0.00567	0.00571	113	114	59.0-147			0.703	20
1,2,3-Trichloropropane	0.00500	0.00534	0.00497	107	99.4	73.0-130			7.18	20
1,2,3-Trimethylbenzene	0.00500	0.00487	0.00490	97.4	98.0	77.0-120			0.614	20
1,2,4-Trimethylbenzene	0.00500	0.00474	0.00482	94.8	96.4	76.0-121			1.67	20
1,3,5-Trimethylbenzene	0.00500	0.00476	0.00494	95.2	98.8	76.0-122			3.71	20
Vinyl chloride	0.00500	0.00497	0.00497	99.4	99.4	67.0-131			0.000	20
Xylenes, Total	0.0150	0.0136	0.0142	90.7	94.7	79.0-123			4.32	20
(S) Toluene-d8				*109*	*112*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*105*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*123*	*122*	*70.0-130*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
UPRR - Golder Associates
2201 Double Creek Dr., Ste 4004
Round Rock, TX 78664

Billing Information:
Kevin Peterburs
4823 N 119th Street
Milwaukee, WI 53225

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3
Cooler 1 of 2

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Report to: Matthew Wilson

Email To: mjwilson@golder.com;Matthew_Wilson2@gold

Project Description: Cudahy WI-Superior Health Linens
City/State Collected: Cudahy, WI
Please Circle: PT MT CT ET

Phone: 262-212-4727
Client Project # 2812
Lab Project # UPRRGOLD-2812

SDG # L1431799
C097
Table

Collected by (print): Matthew Wilson
Site/Facility ID # SUPPLEMENTARY
P.O. #

Acctnum: UPRRGOLD
Template: T199385
Prelogin: P887219
PM: 134 - Mark W. Beasley
PB: 11/11/21 JED
Shipped Via: FedEX Priority

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
✓ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #
Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260/465 60mlAmb/MeOH/Syr									Remarks	Sample # (lab only)
SO-2812-HA11(1-2)-151121	Grab	SS	1-2ft	2021-11-15	0847	2	✓	✓										-01
SO-2812-HA11 Dup-151121	Grab	SS	1-2ft	2021-11-15	0847	2	✓	✓										-02
SO-2812-HA11(3-4)-151121	Grab	SS	3-4ft	2021-11-15	0858	2	✓	✓										-03
SO-2812-HA12(1-2)-151121	Grab	SS	1-2ft	2021-11-15	0906	2	✓	✓										-04
SO-2812-HA12(3-4)-151121	Grab	SS	3-4ft	2021-11-15	0915	2	✓	✓										-05
SO-2812-HA13(1-2)-151121	Grab	SS	1-2ft	2021-11-15	0925	2	✓	✓										-06
~~SO-2812-HA13(3-4)-151121~~	~~Grab~~	SS	3-4ft	2021-11-15		2	✓	✓									Not Collected MW	
SO-2812-HA14(1-2)-151121	Grab	SS	1-2ft	2021-11-15	0950	2	✓	✓										-07
SO-2812-HA14(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1000	2	✓	✓										-08
SO-2812-HA15(1-2)-151121	Grab	SS	1-2ft	2021-11-15	1005	2	✓	✓										-09

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other______

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ______

Tracking # 5318 9959 8551/8540

2.4+0=2.4

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR	
Matthew Wilson	2021-11-15	14:30		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: ATB/°C 1.3+0=1.3	Bottles Received: 50	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) K. [signature]	Date: 11/16/21	Time: 1400	Hold:	Condition: NCF / (OK)

Company Name/Address:
UPRR - Golder Associates

2201 Double Creek Dr., Ste 4004
Round Rock, TX 78664

Billing Information:
Kevin Peterburs
4823 N 119th Street
Milwaukee, WI 53225

Report to:
Matthew Wilson

Email To:
mjwilson@golder.com;Matthew_Wilson2@gold

Project Description:
Cudahy WI-Superior Health Linens

City/State Collected: Cudahy, WI

Please Circle: PT MT CT ET

Phone: **262-212-4727**

Client Project #
2812

Lab Project #
UPRRGOLD-2812

Collected by (print):
Matthew Wilson

Site/Facility ID #
SUPPLEMENTARY

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
✓ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260/465 60mlAmb/MeOH/Syr										
SO-2812-HA15(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1029	2	✓	✓										-10
SO-2812-HA16(1-2)-151121	Grab	SS	1-2ft	2021-11-15	1045	2	✓	✓										-11
SO-2812-HA16(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1052	2	✓	✓										-12
SO-2812-HA17(1-2)-151121	Grab	SS	1-2ft	2021-11-15	1107	2	✓	✓										-13
SQ-2812-TB1-151121	Grab	SS	—	2021-11-15	0900	1		✓										-14
SQ-2812-MSMSD-151121	Grab	SS	—	2021-11-15	1300	4		✓										-22 -17
SQ-2812-HA20Dup-151121	Grab	SS	3-4ft	2021-11-15	1300	2	✓	✓										-15 -16
		SS																
		SS																
		SS																

Chain of Custody Page 2 of 3

Cooler 1 of 2

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SDG # L1431799

Table #

Acctnum: **UPRRGOLD**

Template: **T199385**

Prelogin: **P887219**

PM: **134 - Mark W. Beasley**

PB: 11/11/21

Shipped Via: **FedEX Priority**

Remarks | Sample # (lab only)

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	__NP	✓ __N
COC Signed/Accurate:	✓ Y	__N
Bottles arrive intact:	✓ Y	__N
Correct bottles used:	✓ Y	__N
Sufficient volume sent:	✓ Y	__N
If Applicable		
VOA Zero Headspace:	__Y	__N
Preservation Correct/Checked:	__Y	__N
RAD Screen <0.5 mR/hr:	✓ Y	__N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Matthew Wilson	2021-11-15	1430		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.8/1 °C Bottles Received: 50	
				1.3 to 1.3	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/16/21 Time: 1400	Hold: / Condition: NCF / OK
			K. Golden		

Company Name/Address:
UPRR - Golder Associates
2201 Double Creek Dr., Ste 4004
Round Rock, TX 78664

Billing Information:
Kevin Peterburs
4823 N 119th Street
Milwaukee, WI 53225

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 3 of 3
Golder 2012
Pace Analytical®
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Report to: Matthew Wilson
Email To: mjwilson@golder.com;Matthew_Wilson2@gold

Project Description: Cudahy WI-Superior Health Linens
City/State Collected: Cudahy, WI
Please Circle: PT MT CT ET

Phone: 262-212-4727
Client Project # 2812
Lab Project # UPRRGOLD-2812

Collected by (print): Matthew Wilson
Site/Facility ID # SUPPLEMENTARY
P.O. #
Quote #

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
✓ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

SDG # L1431799
Table #
Acctnum: UPRRGOLD
Template: T199385
Prelogin: P887219
PM: 134 - Mark W. Beasley
PB: 11/11/21 JDD
Shipped Via: FedEX Priority

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260/465 60mlAmb/MeOH/Syr								Remarks	Sample # (lab only)
SD-2812-HA17(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1118	2	✓	✓									-16
SD-2812-HA18(1-2)-151121	Grab	SS	1-2ft	2021-11-15	1131	2	✓	✓									-17
SD-2812-HA18(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1140	2	✓	✓									-18
SD-2812-HA19(1-2)-151121	Grab	SS	1-2ft	2021-11-15	1230	2	✓	✓									-19
SD-2812-HA19(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1235	2	✓	✓									-20
SD-2812-HA20(1-2)-151121	Grab	SS	1-2ft	2021-11-15	1250	2	✓	✓									-21
SD-2812-HA20(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1300	2	✓	✓									-22
SD-2812-HA21(1-2)-151121	Grab	SS	1-2ft	2021-11-15	1321	2	✓	✓									-23
SD-2812-HA21(3-4)-151121	Grab	SS	3-4ft	2021-11-15	1328	2	✓	✓									-24
SQ-2812-TB2-151121	—		—	2021-11-15	0800	1		✓									-25

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks:

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ________

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received:	
Matthew Wilson	2021-11-15	14:30		Yes / No HCL / MeoH TBR 2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.4+0=2.4 °C	Bottles Received: 50
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/16/21	Time: 1400

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

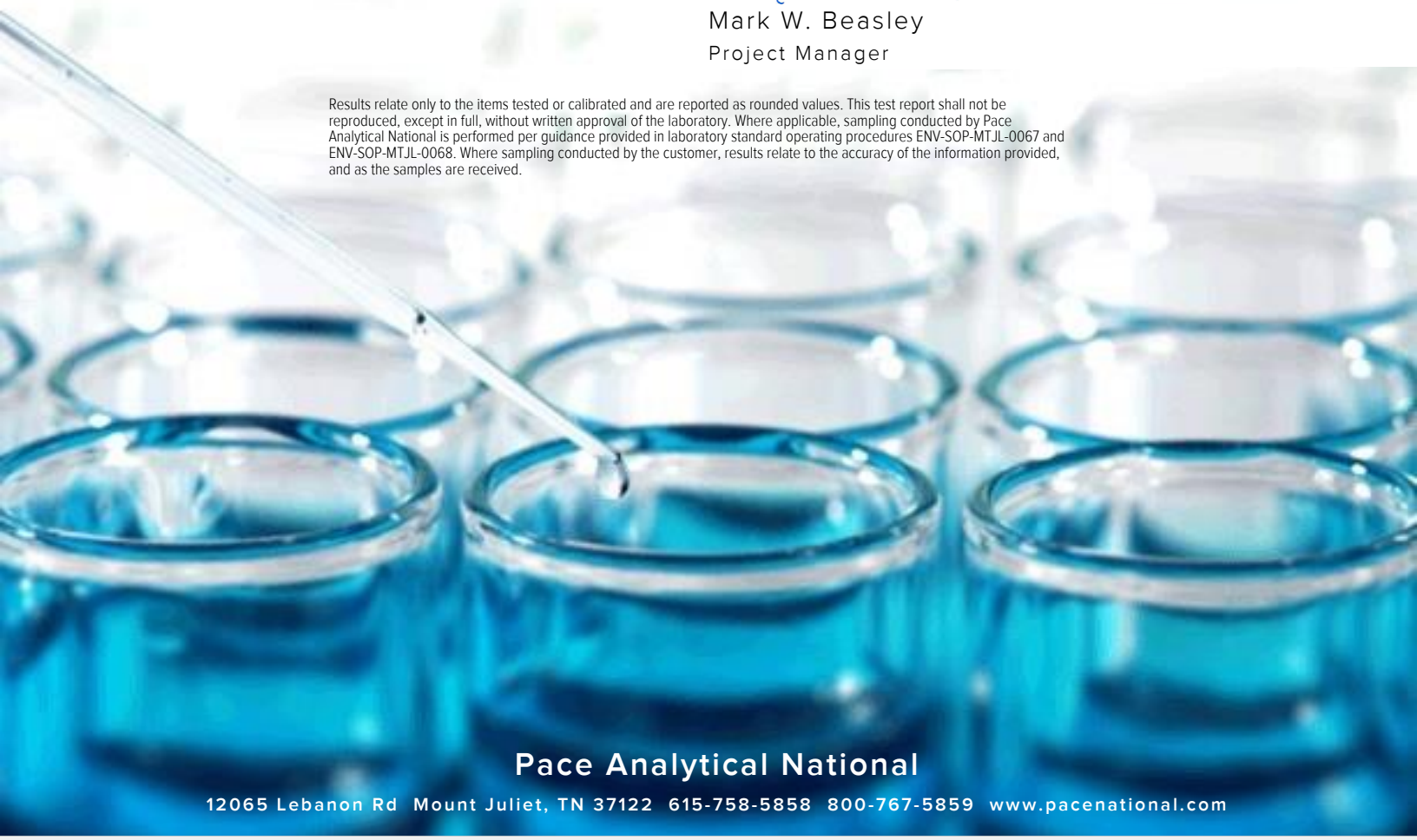
December 01, 2021

UPRR - Golder Associates

Sample Delivery Group:	L1435520
Samples Received:	11/24/2021
Project Number:	2812
Description:	Cudahy WI-Superior Health Linens
Site:	SUPPLEMENTARY EXCAVATION LIMIT
Report To:	Matthew Wilson 2201 Double Creek Dr., Ste 4004 Round Rock, TX 78664

Entire Report Reviewed By:

Mark W. Beasley
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 6

Tr: TRRP Summary 7

TRRP form R 8

TRRP form S 9

TRRP Exception Reports 10

Sr: Sample Results 11

SO-2812-HA22(1-2)-231121 L1435520-01 11

SO-2812-HA22DUP-231121 L1435520-02 13

SO-2812-HA22(3-4)-231121 L1435520-03 15

SO-2812-HA23(1-2)-231121 L1435520-04 17

SO-2812-HA23(3-4)-231121 L1435520-05 19

SO-2812-HA24(1-2)-231121 L1435520-06 21

SO-2812-HA24(3-4)-231121 L1435520-07 23

SO-2812-HA25(1-2)-231121 L1435520-08 25

SO-2812-HA25(3-4)-231121 L1435520-09 27

SO-2812-HA26(1-2)-231121 L1435520-10 29

SO-2812-HA26(3-4)-231121 L1435520-11 31

SO-2812-HA27(1-2)-231121 L1435520-12 33

SO-2812-HA27(3-4)-231121 L1435520-13 35

SO-2812-HA28(1-2)-231121 L1435520-15 37

SO-2812-HA28(3-4)-231121 L1435520-16 39

Qc: Quality Control Summary 41

Total Solids by Method 2540 G-2011 41

Volatile Organic Compounds (GC/MS) by Method 8260D 43

Gl: Glossary of Terms 53

Al: Accreditations & Locations 55

Sc: Sample Chain of Custody 56

SO-2812-HA22(1-2)-231121 L1435520-01 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 10:26 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1781634	1.02	11/23/21 10:26	11/30/21 14:54	BMB	Mt. Juliet, TN

SO-2812-HA22DUP-231121 L1435520-02 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 10:26 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1781634	1.09	11/23/21 10:26	11/30/21 15:13	BMB	Mt. Juliet, TN

SO-2812-HA22(3-4)-231121 L1435520-03 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 10:43 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 10:43	11/28/21 14:16	JAH	Mt. Juliet, TN

SO-2812-HA23(1-2)-231121 L1435520-04 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 10:51 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1.4	11/23/21 10:51	11/28/21 14:35	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1781634	28	11/23/21 10:51	11/30/21 17:48	BMB	Mt. Juliet, TN

SO-2812-HA23(3-4)-231121 L1435520-05 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 10:58 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1.33	11/23/21 10:58	11/28/21 14:54	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1781634	26.6	11/23/21 10:58	11/30/21 18:07	BMB	Mt. Juliet, TN

SO-2812-HA24(1-2)-231121 L1435520-06 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 11:10 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1.1	11/23/21 11:10	11/28/21 15:12	JAH	Mt. Juliet, TN

SO-2812-HA24(3-4)-231121 L1435520-07 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 11:24 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 11:24	11/28/21 15:31	JAH	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

SO-2812-HA25(1-2)-231121 L1435520-08 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 11:28 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1.07	11/23/21 11:28	11/28/21 15:50	JAH	Mt. Juliet, TN

SO-2812-HA25(3-4)-231121 L1435520-09 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 11:35 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 11:35	11/28/21 16:09	JAH	Mt. Juliet, TN

SO-2812-HA26(1-2)-231121 L1435520-10 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 11:50 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780386	1	11/27/21 09:44	11/27/21 09:55	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 11:50	11/28/21 16:28	JAH	Mt. Juliet, TN

SO-2812-HA26(3-4)-231121 L1435520-11 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 11:50 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780387	1	11/27/21 09:28	11/27/21 09:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 11:50	11/28/21 16:46	JAH	Mt. Juliet, TN

SO-2812-HA27(1-2)-231121 L1435520-12 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 12:06 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780387	1	11/27/21 09:28	11/27/21 09:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 12:06	11/28/21 17:05	JAH	Mt. Juliet, TN

SO-2812-HA27(3-4)-231121 L1435520-13 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 12:15 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780387	1	11/27/21 09:28	11/27/21 09:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 12:15	11/28/21 17:24	JAH	Mt. Juliet, TN

SO-2812-HA28(1-2)-231121 L1435520-15 Solid

Collected by: Brian Folta | Collected date/time: 11/23/21 12:23 | Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780387	1	11/27/21 09:28	11/27/21 09:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1.36	11/23/21 12:23	11/28/21 17:43	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

SO-2812-HA28(3-4)-231121 L1435520-16 Solid

Collected by: Brian Folta
Collected date/time: 11/23/21 12:27
Received date/time: 11/24/21 13:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1780387	1	11/27/21 09:28	11/27/21 09:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1780837	1	11/23/21 12:27	11/28/21 18:02	JAH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 12/01/2021 09:19
Project Name: Cudahy WI-Superior Health Linens	Laboratory Job Number: L1435520-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15 and 16
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1780387, WG1780386, WG1780837 and WG1781634

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	X				
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?		X			3
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			4
		Were MS/MSD RPDs within laboratory QC limits?		X			5
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 12/01/2021 09:19
Project Name: Cudahy WI-Superior Health Linens	Laboratory Job Number: L1435520-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15 and 16
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1780387, WG1780386, WG1780837 and WG1781634

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 12/01/2021 09:19
Project Name: Cudahy WI-Superior Health Linens	Laboratory Job Number: L1435520-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 15 and 16
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1780387, WG1780386, WG1780837 and WG1781634

ER #[1]	Description
1	8260D WG1781634 Toluene-d8 R3735529-5: Percent Recovery is outside of established control limits.
2	8260D WG1780837 Hexachloro-1,3-butadiene: Percent Recovery is outside of established control limits.
3	8260D WG1780837 Acetone, Acrylonitrile, Tetrahydrofuran: Relative Percent Difference is outside of established control limits. 8260D WG1781634 Bromomethane, Chloroethane, trans-1,3-Dichloropropene, 1,2,4-Trichlorobenzene, Vinyl chloride: Relative Percent Difference is outside of established control limits.
4	8260D WG1781634 Acetone, sec-Butylbenzene, Toluene, Trichloroethene: Percent Recovery is outside of established control limits.
5	8260D WG1781634 Acetone, Acrylonitrile, Benzene, Bromobenzene, Bromodichloromethane, Bromoform, Bromomethane, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Carbon tetrachloride, Chlorobenzene, Chlorodibromomethane, Chloroethane, Chloroform, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, 1,2-Dibromo-3-Chloropropane, 1,2-Dibromoethane, Dibromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Dichlorodifluoromethane, Dichlorofluoromethane, 1,1-Dichloroethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,1-Dichloropropene, 1,3-Dichloropropane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 2,2-Dichloropropane, Di-isopropyl ether, Ethylbenzene, Ethyl ether, Hexachloro-1,3-butadiene, 2-Hexanone, Isopropylbenzene, p-Isopropyltoluene, 2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Methyl tert-butyl ether, Naphthalene, n-Propylbenzene, Styrene, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Tetrahydrofuran, Toluene, 1,1,2-Trichlorotrifluoroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichlorofluoromethane, 1,2,3-Trichloropropane, 1,2,3-Trimethylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Vinyl chloride, Xylenes, Total, Allyl chloride: Relative Percent Difference is outside of established control limits.

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.9		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	C3 J3 J6	1.14	1.25	1.56	1.02	11/30/2021 14:54	WG1781634
Acrylonitrile	U	J3	0.112	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
Allyl chloride	U	J3	0.125	0.625	0.779	1.02	11/30/2021 14:54	WG1781634
Benzene	U	J3	0.0145	0.0250	0.0311	1.02	11/30/2021 14:54	WG1781634
Bromobenzene	U	J3	0.0280	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
Bromodichloromethane	U	J3	0.0226	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Bromoform	U	C3 J3	0.0364	0.625	0.779	1.02	11/30/2021 14:54	WG1781634
Bromomethane	U	J3	0.0614	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
n-Butylbenzene	U	J3	0.164	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
sec-Butylbenzene	U	J3 J6	0.0897	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
tert-Butylbenzene	U	J3	0.0607	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
Carbon tetrachloride	U	J3	0.0280	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
Chlorobenzene	U	J3	0.00654	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Chlorodibromomethane	U	J3	0.0191	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Chloroethane	U	J3	0.0529	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
Chloroform	U	J3	0.0321	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Chloromethane	U	J3	0.135	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
2-Chlorotoluene	U	J3	0.0269	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
4-Chlorotoluene	U	J3	0.0140	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,2-Dibromo-3-Chloropropane	U	J3	0.121	0.625	0.779	1.02	11/30/2021 14:54	WG1781634
1,2-Dibromoethane	U	J3	0.0202	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Dibromomethane	U	J3	0.0234	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,2-Dichlorobenzene	U	J3	0.0132	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,3-Dichlorobenzene	U	J3	0.0187	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,4-Dichlorobenzene	U	J3	0.0218	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
Dichlorodifluoromethane	U	C3 J3	0.0501	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Dichlorofluoromethane	U	J3	0.0389	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,1-Dichloroethane	U	J3	0.0153	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,2-Dichloroethane	U	J3	0.0202	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,1-Dichloroethene	U	J3	0.0189	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
cis-1,2-Dichloroethene	U	J3	0.0229	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
trans-1,2-Dichloroethene	U	J3	0.0324	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,2-Dichloropropane	U	J3	0.0442	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,1-Dichloropropene	U	J3	0.0252	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,3-Dichloropropane	U	J3	0.0156	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
cis-1,3-Dichloropropene	U	J3	0.0236	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
trans-1,3-Dichloropropene	U	J3	0.0355	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
2,2-Dichloropropane	U	J3	0.0430	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Di-isopropyl ether	U	J3	0.0128	0.0250	0.0311	1.02	11/30/2021 14:54	WG1781634
Ethylbenzene	U	J3	0.0230	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Ethyl ether	U	J3	0.0277	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Hexachloro-1,3-butadiene	U	J3	0.187	0.625	0.779	1.02	11/30/2021 14:54	WG1781634
2-Hexanone	U	J3	0.105	0.625	0.779	1.02	11/30/2021 14:54	WG1781634
Isopropylbenzene	U	J3	0.0132	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
p-Isopropyltoluene	U	J3	0.0794	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
2-Butanone (MEK)	U	J3	1.98	2.50	3.11	1.02	11/30/2021 14:54	WG1781634
Methylene Chloride	U		0.207	0.625	0.779	1.02	11/30/2021 14:54	WG1781634
4-Methyl-2-pentanone (MIBK)	U	J3	0.0710	0.625	0.779	1.02	11/30/2021 14:54	WG1781634
Methyl tert-butyl ether	U	J3	0.0109	0.0250	0.0311	1.02	11/30/2021 14:54	WG1781634
Naphthalene	U	J3	0.152	0.313	0.390	1.02	11/30/2021 14:54	WG1781634

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U	J3	0.0296	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
Styrene	U	J3	0.00713	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
1,1,1,2-Tetrachloroethane	U	J3	0.0295	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,1,2,2-Tetrachloroethane	U	J3	0.0216	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,1,2-Trichlorotrifluoroethane	U	J3	0.0235	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Tetrachloroethene	U	J3	0.0279	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Tetrahydrofuran	U	J3	0.110	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
Toluene	U	J3 J5	0.0405	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,2,3-Trichlorobenzene	U	C4 J3	0.228	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
1,2,4-Trichlorobenzene	U	C4 J3	0.137	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
1,1,1-Trichloroethane	0.0383	J J3	0.0287	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,1,2-Trichloroethane	U	J3	0.0186	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Trichloroethene	0.497	J6	0.0182	0.0250	0.0311	1.02	11/30/2021 14:54	WG1781634
Trichlorofluoromethane	U	J3	0.0258	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
1,2,3-Trichloropropane	U	J3	0.0505	0.313	0.390	1.02	11/30/2021 14:54	WG1781634
1,2,4-Trimethylbenzene	U	J3	0.0492	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,2,3-Trimethylbenzene	U	J3	0.0492	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
1,3,5-Trimethylbenzene	U	J3	0.0623	0.125	0.156	1.02	11/30/2021 14:54	WG1781634
Vinyl chloride	U	J3	0.0361	0.0625	0.0779	1.02	11/30/2021 14:54	WG1781634
Xylenes, Total	0.0589	J J3	0.0274	0.163	0.203	1.02	11/30/2021 14:54	WG1781634
(S) Toluene-d8	*90.9*				*75.0-131*		*11/30/2021 14:54*	WG1781634
(S) 4-Bromofluorobenzene	*76.1*				*67.0-138*		*11/30/2021 14:54*	WG1781634
(S) 1,2-Dichloroethane-d4	*87.2*				*70.0-130*		*11/30/2021 14:54*	WG1781634

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.5		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	C3	1.25	1.25	1.71	1.09	11/30/2021 15:13	WG1781634
Acrylonitrile	U		0.124	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
Allyl chloride	U		0.137	0.625	0.856	1.09	11/30/2021 15:13	WG1781634
Benzene	U		0.0160	0.0250	0.0343	1.09	11/30/2021 15:13	WG1781634
Bromobenzene	U		0.0308	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
Bromodichloromethane	U		0.0248	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Bromoform	U	C3	0.0401	0.625	0.856	1.09	11/30/2021 15:13	WG1781634
Bromomethane	U	J3	0.0675	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
n-Butylbenzene	U		0.180	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
sec-Butylbenzene	U		0.0987	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
tert-Butylbenzene	U		0.0668	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
Carbon tetrachloride	U		0.0308	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
Chlorobenzene	U		0.00719	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Chlorodibromomethane	U		0.0210	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Chloroethane	U	J3	0.0582	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
Chloroform	U		0.0353	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Chloromethane	U		0.149	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
2-Chlorotoluene	U		0.0296	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
4-Chlorotoluene	U		0.0154	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,2-Dibromo-3-Chloropropane	U		0.134	0.625	0.856	1.09	11/30/2021 15:13	WG1781634
1,2-Dibromoethane	U		0.0222	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Dibromomethane	U		0.0257	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,2-Dichlorobenzene	U		0.0146	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,3-Dichlorobenzene	U		0.0206	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,4-Dichlorobenzene	U		0.0240	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
Dichlorodifluoromethane	U	C3	0.0552	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Dichlorofluoromethane	U		0.0428	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,1-Dichloroethane	U		0.0168	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,2-Dichloroethane	U		0.0222	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,1-Dichloroethene	U		0.0208	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
cis-1,2-Dichloroethene	0.0319	J	0.0251	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
trans-1,2-Dichloroethene	U		0.0356	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,2-Dichloropropane	U		0.0486	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,1-Dichloropropene	U		0.0277	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,3-Dichloropropane	U		0.0172	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
cis-1,3-Dichloropropene	U		0.0259	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
trans-1,3-Dichloropropene	U	J3	0.0391	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
2,2-Dichloropropane	U		0.0473	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Di-isopropyl ether	U		0.0140	0.0250	0.0343	1.09	11/30/2021 15:13	WG1781634
Ethylbenzene	U		0.0252	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Ethyl ether	U		0.0305	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Hexachloro-1,3-butadiene	U		0.206	0.625	0.856	1.09	11/30/2021 15:13	WG1781634
2-Hexanone	U		0.115	0.625	0.856	1.09	11/30/2021 15:13	WG1781634
Isopropylbenzene	U		0.0146	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
p-Isopropyltoluene	U		0.0874	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
2-Butanone (MEK)	U		2.18	2.50	3.43	1.09	11/30/2021 15:13	WG1781634
Methylene Chloride	U		0.227	0.625	0.856	1.09	11/30/2021 15:13	WG1781634
4-Methyl-2-pentanone (MIBK)	U		0.0781	0.625	0.856	1.09	11/30/2021 15:13	WG1781634
Methyl tert-butyl ether	U		0.0120	0.0250	0.0343	1.09	11/30/2021 15:13	WG1781634
Naphthalene	U		0.167	0.313	0.429	1.09	11/30/2021 15:13	WG1781634

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0325	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
Styrene	U		0.00784	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
1,1,1,2-Tetrachloroethane	U		0.0325	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,1,2,2-Tetrachloroethane	U		0.0238	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,1,2-Trichlorotrifluoroethane	U		0.0258	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Tetrachloroethene	U		0.0307	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Tetrahydrofuran	U		0.121	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
Toluene	0.0724	J	0.0445	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,2,3-Trichlorobenzene	U	C4	0.251	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
1,2,4-Trichlorobenzene	U	C4 J3	0.151	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
1,1,1-Trichloroethane	0.0360	J	0.0316	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,1,2-Trichloroethane	U		0.0205	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Trichloroethene	0.650		0.0200	0.0250	0.0343	1.09	11/30/2021 15:13	WG1781634
Trichlorofluoromethane	U		0.0283	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
1,2,3-Trichloropropane	U		0.0555	0.313	0.429	1.09	11/30/2021 15:13	WG1781634
1,2,4-Trimethylbenzene	0.0549	J	0.0541	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,2,3-Trimethylbenzene	U		0.0541	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
1,3,5-Trimethylbenzene	U		0.0685	0.125	0.171	1.09	11/30/2021 15:13	WG1781634
Vinyl chloride	U	J3	0.0397	0.0625	0.0856	1.09	11/30/2021 15:13	WG1781634
Xylenes, Total	0.105	J	0.0301	0.163	0.223	1.09	11/30/2021 15:13	WG1781634
(S) Toluene-d8	*117*				*75.0-131*		*11/30/2021 15:13*	WG1781634
(S) 4-Bromofluorobenzene	*88.6*				*67.0-138*		*11/30/2021 15:13*	WG1781634
(S) 1,2-Dichloroethane-d4	*100*				*70.0-130*		*11/30/2021 15:13*	WG1781634

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.5		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.07	1.25	1.46	1	11/28/2021 14:16	WG1780837
Acrylonitrile	U	J3	0.106	0.313	0.366	1	11/28/2021 14:16	WG1780837
Allyl chloride	U		0.117	0.625	0.731	1	11/28/2021 14:16	WG1780837
Benzene	U		0.0137	0.0250	0.0292	1	11/28/2021 14:16	WG1780837
Bromobenzene	U		0.0263	0.313	0.366	1	11/28/2021 14:16	WG1780837
Bromodichloromethane	U		0.0212	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Bromoform	U		0.0342	0.625	0.731	1	11/28/2021 14:16	WG1780837
Bromomethane	U		0.0576	0.313	0.366	1	11/28/2021 14:16	WG1780837
n-Butylbenzene	U		0.153	0.313	0.366	1	11/28/2021 14:16	WG1780837
sec-Butylbenzene	U		0.0842	0.313	0.366	1	11/28/2021 14:16	WG1780837
tert-Butylbenzene	U		0.0570	0.125	0.146	1	11/28/2021 14:16	WG1780837
Carbon tetrachloride	U		0.0263	0.125	0.146	1	11/28/2021 14:16	WG1780837
Chlorobenzene	U		0.00614	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Chlorodibromomethane	U		0.0179	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Chloroethane	U		0.0497	0.125	0.146	1	11/28/2021 14:16	WG1780837
Chloroform	U		0.0301	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Chloromethane	U		0.127	0.313	0.366	1	11/28/2021 14:16	WG1780837
2-Chlorotoluene	U		0.0253	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
4-Chlorotoluene	U		0.0132	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.114	0.625	0.731	1	11/28/2021 14:16	WG1780837
1,2-Dibromoethane	U		0.0189	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Dibromomethane	U		0.0219	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,2-Dichlorobenzene	U		0.0124	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,3-Dichlorobenzene	U		0.0175	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,4-Dichlorobenzene	U		0.0205	0.125	0.146	1	11/28/2021 14:16	WG1780837
Dichlorodifluoromethane	U		0.0471	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Dichlorofluoromethane	U		0.0365	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,1-Dichloroethane	U		0.0144	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,2-Dichloroethane	U		0.0190	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,1-Dichloroethene	U		0.0177	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
cis-1,2-Dichloroethene	U		0.0215	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
trans-1,2-Dichloroethene	U		0.0304	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,2-Dichloropropane	U		0.0415	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,1-Dichloropropene	U		0.0236	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,3-Dichloropropane	U		0.0146	0.125	0.146	1	11/28/2021 14:16	WG1780837
cis-1,3-Dichloropropene	U		0.0221	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
trans-1,3-Dichloropropene	U		0.0333	0.125	0.146	1	11/28/2021 14:16	WG1780837
2,2-Dichloropropane	U		0.0403	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Di-isopropyl ether	U		0.0120	0.0250	0.0292	1	11/28/2021 14:16	WG1780837
Ethylbenzene	U		0.0215	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Ethyl ether	U		0.0260	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.175	0.625	0.731	1	11/28/2021 14:16	WG1780837
2-Hexanone	U		0.0982	0.625	0.731	1	11/28/2021 14:16	WG1780837
Isopropylbenzene	U		0.0124	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
p-Isopropyltoluene	U		0.0745	0.125	0.146	1	11/28/2021 14:16	WG1780837
2-Butanone (MEK)	U		1.86	2.50	2.92	1	11/28/2021 14:16	WG1780837
Methylene Chloride	U		0.194	0.625	0.731	1	11/28/2021 14:16	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0666	0.625	0.731	1	11/28/2021 14:16	WG1780837
Methyl tert-butyl ether	U		0.0102	0.0250	0.0292	1	11/28/2021 14:16	WG1780837
Naphthalene	U		0.143	0.313	0.366	1	11/28/2021 14:16	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0278	0.125	0.146	1	11/28/2021 14:16	WG1780837
Styrene	U		0.00669	0.313	0.366	1	11/28/2021 14:16	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0277	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0203	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0220	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Tetrachloroethene	U		0.0262	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Tetrahydrofuran	U	J3	0.103	0.313	0.366	1	11/28/2021 14:16	WG1780837
Toluene	U		0.0380	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,2,3-Trichlorobenzene	U		0.214	0.313	0.366	1	11/28/2021 14:16	WG1780837
1,2,4-Trichlorobenzene	U		0.129	0.313	0.366	1	11/28/2021 14:16	WG1780837
1,1,1-Trichloroethane	U		0.0270	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,1,2-Trichloroethane	U		0.0175	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Trichloroethene	0.0975		0.0171	0.0250	0.0292	1	11/28/2021 14:16	WG1780837
Trichlorofluoromethane	U		0.0242	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
1,2,3-Trichloropropane	U		0.0474	0.313	0.366	1	11/28/2021 14:16	WG1780837
1,2,4-Trimethylbenzene	U		0.0462	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,2,3-Trimethylbenzene	U		0.0462	0.125	0.146	1	11/28/2021 14:16	WG1780837
1,3,5-Trimethylbenzene	U		0.0585	0.125	0.146	1	11/28/2021 14:16	WG1780837
Vinyl chloride	U		0.0339	0.0625	0.0731	1	11/28/2021 14:16	WG1780837
Xylenes, Total	U		0.0257	0.163	0.191	1	11/28/2021 14:16	WG1780837
(S) Toluene-d8	*100*				*75.0-131*		*11/28/2021 14:16*	WG1780837
(S) 4-Bromofluorobenzene	*98.3*				*67.0-138*		*11/28/2021 14:16*	WG1780837
(S) 1,2-Dichloroethane-d4	*114*				*70.0-130*		*11/28/2021 14:16*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.8		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.69	1.25	2.31	1.4	11/28/2021 14:35	WG1780837
Acrylonitrile	U	J3	0.167	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
Allyl chloride	U		0.185	0.625	1.15	1.4	11/28/2021 14:35	WG1780837
Benzene	0.0232	J	0.0216	0.0250	0.0462	1.4	11/28/2021 14:35	WG1780837
Bromobenzene	U		0.0416	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
Bromodichloromethane	U		0.0335	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Bromoform	U		0.0540	0.625	1.15	1.4	11/28/2021 14:35	WG1780837
Bromomethane	U		0.0910	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
n-Butylbenzene	U		0.242	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
sec-Butylbenzene	U		0.133	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
tert-Butylbenzene	U		0.0901	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
Carbon tetrachloride	U		0.0415	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
Chlorobenzene	U		0.00970	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Chlorodibromomethane	U		0.0283	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Chloroethane	U		0.0785	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
Chloroform	U		0.0476	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Chloromethane	U		0.201	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
2-Chlorotoluene	U		0.0400	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
4-Chlorotoluene	U		0.0208	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.180	0.625	1.15	1.4	11/28/2021 14:35	WG1780837
1,2-Dibromoethane	U		0.0299	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Dibromomethane	U		0.0346	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,2-Dichlorobenzene	U		0.0196	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,3-Dichlorobenzene	U		0.0277	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,4-Dichlorobenzene	U		0.0323	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
Dichlorodifluoromethane	U		0.0744	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Dichlorofluoromethane	U		0.0577	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,1-Dichloroethane	U		0.0227	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,2-Dichloroethane	U		0.0300	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,1-Dichloroethene	U		0.0280	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
cis-1,2-Dichloroethene	0.0459	J	0.0339	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
trans-1,2-Dichloroethene	U		0.0480	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,2-Dichloropropane	U		0.0656	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,1-Dichloropropene	U		0.0374	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,3-Dichloropropane	U		0.0231	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
cis-1,3-Dichloropropene	U		0.0350	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
trans-1,3-Dichloropropene	U		0.0527	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
2,2-Dichloropropane	U		0.0637	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Di-isopropyl ether	U		0.0189	0.0250	0.0462	1.4	11/28/2021 14:35	WG1780837
Ethylbenzene	0.0347	J	0.0340	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Ethyl ether	U		0.0412	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.277	0.625	1.15	1.4	11/28/2021 14:35	WG1780837
2-Hexanone	U		0.155	0.625	1.15	1.4	11/28/2021 14:35	WG1780837
Isopropylbenzene	0.0245	J	0.0196	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
p-Isopropyltoluene	U		0.118	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
2-Butanone (MEK)	U		2.93	2.50	4.62	1.4	11/28/2021 14:35	WG1780837
Methylene Chloride	U		0.307	0.625	1.15	1.4	11/28/2021 14:35	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.105	0.625	1.15	1.4	11/28/2021 14:35	WG1780837
Methyl tert-butyl ether	U		0.0162	0.0250	0.0462	1.4	11/28/2021 14:35	WG1780837
Naphthalene	U		0.225	0.313	0.578	1.4	11/28/2021 14:35	WG1780837

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0439	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
Styrene	U		0.0106	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0438	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0321	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0348	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Tetrachloroethene	U		0.0414	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Tetrahydrofuran	U	J3	0.163	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
Toluene	0.121	J	0.0600	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,2,3-Trichlorobenzene	U		0.339	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
1,2,4-Trichlorobenzene	U		0.203	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
1,1,1-Trichloroethane	0.203		0.0426	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,1,2-Trichloroethane	U		0.0276	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Trichloroethene	21.4		0.539	0.0250	0.924	28	11/30/2021 17:48	WG1781634
Trichlorofluoromethane	U		0.0382	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
1,2,3-Trichloropropane	U		0.0748	0.313	0.578	1.4	11/28/2021 14:35	WG1780837
1,2,4-Trimethylbenzene	0.133	J	0.0730	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,2,3-Trimethylbenzene	0.0990	J	0.0730	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
1,3,5-Trimethylbenzene	U		0.0924	0.125	0.231	1.4	11/28/2021 14:35	WG1780837
Vinyl chloride	U		0.0536	0.0625	0.115	1.4	11/28/2021 14:35	WG1780837
Xylenes, Total	0.256	J	0.0406	0.163	0.301	1.4	11/28/2021 14:35	WG1780837
(S) Toluene-d8	*99.5*				*75.0-131*		*11/28/2021 14:35*	WG1780837
(S) Toluene-d8	*130*				*75.0-131*		*11/30/2021 17:48*	WG1781634
(S) 4-Bromofluorobenzene	*98.0*				*67.0-138*		*11/28/2021 14:35*	WG1780837
(S) 4-Bromofluorobenzene	*101*				*67.0-138*		*11/30/2021 17:48*	WG1781634
(S) 1,2-Dichloroethane-d4	*116*				*70.0-130*		*11/28/2021 14:35*	WG1780837
(S) 1,2-Dichloroethane-d4	*104*				*70.0-130*		*11/30/2021 17:48*	WG1781634

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.6		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.67	1.25	2.29	1.33	11/28/2021 14:54	WG1780837
Acrylonitrile	U	J3	0.165	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
Allyl chloride	U		0.183	0.625	1.15	1.33	11/28/2021 14:54	WG1780837
Benzene	U		0.0214	0.0250	0.0459	1.33	11/28/2021 14:54	WG1780837
Bromobenzene	U		0.0412	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
Bromodichloromethane	U		0.0332	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Bromoform	U		0.0536	0.625	1.15	1.33	11/28/2021 14:54	WG1780837
Bromomethane	U		0.0903	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
n-Butylbenzene	U		0.241	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
sec-Butylbenzene	U		0.132	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
tert-Butylbenzene	U		0.0893	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
Carbon tetrachloride	U		0.0411	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
Chlorobenzene	U		0.00962	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Chlorodibromomethane	U		0.0280	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Chloroethane	U		0.0779	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
Chloroform	U		0.0472	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Chloromethane	U		0.199	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
2-Chlorotoluene	U		0.0396	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
4-Chlorotoluene	U		0.0206	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.179	0.625	1.15	1.33	11/28/2021 14:54	WG1780837
1,2-Dibromoethane	U		0.0297	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Dibromomethane	U		0.0344	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,2-Dichlorobenzene	U		0.0195	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,3-Dichlorobenzene	U		0.0275	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,4-Dichlorobenzene	U		0.0321	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
Dichlorodifluoromethane	U		0.0738	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Dichlorofluoromethane	U		0.0573	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,1-Dichloroethane	U		0.0225	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,2-Dichloroethane	U		0.0297	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,1-Dichloroethene	U		0.0278	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
cis-1,2-Dichloroethene	0.0475	J	0.0336	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
trans-1,2-Dichloroethene	U		0.0476	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,2-Dichloropropane	U		0.0651	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,1-Dichloropropene	U		0.0371	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,3-Dichloropropane	U		0.0230	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
cis-1,3-Dichloropropene	U		0.0347	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
trans-1,3-Dichloropropene	U		0.0522	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
2,2-Dichloropropane	U		0.0632	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Di-isopropyl ether	U		0.0188	0.0250	0.0459	1.33	11/28/2021 14:54	WG1780837
Ethylbenzene	0.0413	J	0.0338	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Ethyl ether	U		0.0408	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.275	0.625	1.15	1.33	11/28/2021 14:54	WG1780837
2-Hexanone	U		0.154	0.625	1.15	1.33	11/28/2021 14:54	WG1780837
Isopropylbenzene	0.0305	J	0.0195	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
p-Isopropyltoluene	U		0.117	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
2-Butanone (MEK)	U		2.91	2.50	4.59	1.33	11/28/2021 14:54	WG1780837
Methylene Chloride	U		0.304	0.625	1.15	1.33	11/28/2021 14:54	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.104	0.625	1.15	1.33	11/28/2021 14:54	WG1780837
Methyl tert-butyl ether	U		0.0160	0.0250	0.0459	1.33	11/28/2021 14:54	WG1780837
Naphthalene	U		0.224	0.313	0.573	1.33	11/28/2021 14:54	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	0.0542	J	0.0435	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
Styrene	U		0.0105	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0434	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0318	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0345	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Tetrachloroethene	U		0.0411	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Tetrahydrofuran	U	J3	0.161	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
Toluene	0.0925	J	0.0596	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,2,3-Trichlorobenzene	U		0.336	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
1,2,4-Trichlorobenzene	U		0.202	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
1,1,1-Trichloroethane	0.211		0.0423	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,1,2-Trichloroethane	U		0.0274	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Trichloroethene	12.5		0.535	0.0250	0.916	26.6	11/30/2021 18:07	WG1781634
Trichlorofluoromethane	U		0.0379	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
1,2,3-Trichloropropane	U		0.0742	0.313	0.573	1.33	11/28/2021 14:54	WG1780837
1,2,4-Trimethylbenzene	0.201	J	0.0724	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,2,3-Trimethylbenzene	0.134	J	0.0724	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
1,3,5-Trimethylbenzene	0.107	J	0.0916	0.125	0.229	1.33	11/28/2021 14:54	WG1780837
Vinyl chloride	U		0.0531	0.0625	0.115	1.33	11/28/2021 14:54	WG1780837
Xylenes, Total	0.372		0.0403	0.163	0.298	1.33	11/28/2021 14:54	WG1780837
(S) Toluene-d8	*102*				*75.0-131*		*11/28/2021 14:54*	WG1780837
(S) Toluene-d8	*108*				*75.0-131*		*11/30/2021 18:07*	WG1781634
(S) 4-Bromofluorobenzene	*101*				*67.0-138*		*11/28/2021 14:54*	WG1780837
(S) 4-Bromofluorobenzene	*123*				*67.0-138*		*11/30/2021 18:07*	WG1781634
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*11/28/2021 14:54*	WG1780837
(S) 1,2-Dichloroethane-d4	*102*				*70.0-130*		*11/30/2021 18:07*	WG1781634

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.18	1.25	1.62	1.1	11/28/2021 15:12	WG1780837
Acrylonitrile	U	J3	0.116	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
Allyl chloride	U		0.129	0.625	0.807	1.1	11/28/2021 15:12	WG1780837
Benzene	U		0.0151	0.0250	0.0323	1.1	11/28/2021 15:12	WG1780837
Bromobenzene	U		0.0290	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
Bromodichloromethane	U		0.0234	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Bromoform	U		0.0378	0.625	0.807	1.1	11/28/2021 15:12	WG1780837
Bromomethane	U		0.0636	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
n-Butylbenzene	U		0.169	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
sec-Butylbenzene	U		0.0929	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
tert-Butylbenzene	U		0.0629	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
Carbon tetrachloride	U		0.0290	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
Chlorobenzene	U		0.00678	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Chlorodibromomethane	U		0.0197	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Chloroethane	U		0.0549	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
Chloroform	U		0.0332	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Chloromethane	U		0.140	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
2-Chlorotoluene	U		0.0279	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
4-Chlorotoluene	U		0.0145	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.126	0.625	0.807	1.1	11/28/2021 15:12	WG1780837
1,2-Dibromoethane	U		0.0209	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Dibromomethane	U		0.0242	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,2-Dichlorobenzene	U		0.0137	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,3-Dichlorobenzene	U		0.0194	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,4-Dichlorobenzene	U		0.0226	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
Dichlorodifluoromethane	U		0.0520	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Dichlorofluoromethane	U		0.0403	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,1-Dichloroethane	U		0.0158	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,2-Dichloroethane	U		0.0209	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,1-Dichloroethene	U		0.0196	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
cis-1,2-Dichloroethene	U		0.0237	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
trans-1,2-Dichloroethene	U		0.0336	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,2-Dichloropropane	U		0.0458	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,1-Dichloropropene	U		0.0261	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,3-Dichloropropane	U		0.0162	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
cis-1,3-Dichloropropene	U		0.0244	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
trans-1,3-Dichloropropene	U		0.0368	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
2,2-Dichloropropane	U		0.0445	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Di-isopropyl ether	U		0.0132	0.0250	0.0323	1.1	11/28/2021 15:12	WG1780837
Ethylbenzene	U		0.0238	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Ethyl ether	U		0.0288	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.194	0.625	0.807	1.1	11/28/2021 15:12	WG1780837
2-Hexanone	U		0.108	0.625	0.807	1.1	11/28/2021 15:12	WG1780837
Isopropylbenzene	U		0.0137	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
p-Isopropyltoluene	U		0.0823	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
2-Butanone (MEK)	U		2.05	2.50	3.23	1.1	11/28/2021 15:12	WG1780837
Methylene Chloride	U		0.214	0.625	0.807	1.1	11/28/2021 15:12	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0736	0.625	0.807	1.1	11/28/2021 15:12	WG1780837
Methyl tert-butyl ether	U		0.0113	0.0250	0.0323	1.1	11/28/2021 15:12	WG1780837
Naphthalene	U		0.157	0.313	0.404	1.1	11/28/2021 15:12	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0307	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
Styrene	U		0.00739	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0306	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0224	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0243	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Tetrachloroethene	U		0.0289	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Tetrahydrofuran	U	J3	0.114	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
Toluene	U		0.0420	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,2,3-Trichlorobenzene	U		0.237	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
1,2,4-Trichlorobenzene	U		0.142	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
1,1,1-Trichloroethane	U		0.0298	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,1,2-Trichloroethane	U		0.0193	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Trichloroethene	0.571		0.0188	0.0250	0.0323	1.1	11/28/2021 15:12	WG1780837
Trichlorofluoromethane	U		0.0267	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
1,2,3-Trichloropropane	U		0.0523	0.313	0.404	1.1	11/28/2021 15:12	WG1780837
1,2,4-Trimethylbenzene	U		0.0510	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,2,3-Trimethylbenzene	U		0.0510	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
1,3,5-Trimethylbenzene	U		0.0645	0.125	0.162	1.1	11/28/2021 15:12	WG1780837
Vinyl chloride	U		0.0374	0.0625	0.0807	1.1	11/28/2021 15:12	WG1780837
Xylenes, Total	0.0344	J	0.0284	0.163	0.210	1.1	11/28/2021 15:12	WG1780837
(S) Toluene-d8	*98.3*				*75.0-131*		*11/28/2021 15:12*	WG1780837
(S) 4-Bromofluorobenzene	*97.2*				*67.0-138*		*11/28/2021 15:12*	WG1780837
(S) 1,2-Dichloroethane-d4	*112*				*70.0-130*		*11/28/2021 15:12*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.07	1.25	1.47	1	11/28/2021 15:31	WG1780837
Acrylonitrile	U	J3	0.106	0.313	0.368	1	11/28/2021 15:31	WG1780837
Allyl chloride	U		0.118	0.625	0.735	1	11/28/2021 15:31	WG1780837
Benzene	U		0.0137	0.0250	0.0294	1	11/28/2021 15:31	WG1780837
Bromobenzene	U		0.0265	0.313	0.368	1	11/28/2021 15:31	WG1780837
Bromodichloromethane	U		0.0213	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Bromoform	U		0.0344	0.625	0.735	1	11/28/2021 15:31	WG1780837
Bromomethane	U		0.0579	0.313	0.368	1	11/28/2021 15:31	WG1780837
n-Butylbenzene	U		0.154	0.313	0.368	1	11/28/2021 15:31	WG1780837
sec-Butylbenzene	U		0.0847	0.313	0.368	1	11/28/2021 15:31	WG1780837
tert-Butylbenzene	U		0.0573	0.125	0.147	1	11/28/2021 15:31	WG1780837
Carbon tetrachloride	U		0.0264	0.125	0.147	1	11/28/2021 15:31	WG1780837
Chlorobenzene	U		0.00617	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Chlorodibromomethane	U		0.0180	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Chloroethane	U		0.0500	0.125	0.147	1	11/28/2021 15:31	WG1780837
Chloroform	U		0.0303	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Chloromethane	U		0.128	0.313	0.368	1	11/28/2021 15:31	WG1780837
2-Chlorotoluene	U		0.0254	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
4-Chlorotoluene	U		0.0132	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.115	0.625	0.735	1	11/28/2021 15:31	WG1780837
1,2-Dibromoethane	U		0.0190	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Dibromomethane	U		0.0220	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,2-Dichlorobenzene	U		0.0125	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,3-Dichlorobenzene	U		0.0176	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,4-Dichlorobenzene	U		0.0206	0.125	0.147	1	11/28/2021 15:31	WG1780837
Dichlorodifluoromethane	U		0.0473	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Dichlorofluoromethane	U		0.0367	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,1-Dichloroethane	U		0.0144	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,2-Dichloroethane	U		0.0191	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,1-Dichloroethene	U		0.0178	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
cis-1,2-Dichloroethene	U		0.0216	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
trans-1,2-Dichloroethene	U		0.0306	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,2-Dichloropropane	U		0.0417	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,1-Dichloropropene	U		0.0238	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,3-Dichloropropane	U		0.0147	0.125	0.147	1	11/28/2021 15:31	WG1780837
cis-1,3-Dichloropropene	U		0.0223	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
trans-1,3-Dichloropropene	U		0.0335	0.125	0.147	1	11/28/2021 15:31	WG1780837
2,2-Dichloropropane	U		0.0406	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Di-isopropyl ether	U		0.0121	0.0250	0.0294	1	11/28/2021 15:31	WG1780837
Ethylbenzene	U		0.0217	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Ethyl ether	U		0.0262	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.176	0.625	0.735	1	11/28/2021 15:31	WG1780837
2-Hexanone	U		0.0988	0.625	0.735	1	11/28/2021 15:31	WG1780837
Isopropylbenzene	U		0.0125	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
p-Isopropyltoluene	U		0.0750	0.125	0.147	1	11/28/2021 15:31	WG1780837
2-Butanone (MEK)	U		1.87	2.50	2.94	1	11/28/2021 15:31	WG1780837
Methylene Chloride	U		0.195	0.625	0.735	1	11/28/2021 15:31	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0670	0.625	0.735	1	11/28/2021 15:31	WG1780837
Methyl tert-butyl ether	U		0.0103	0.0250	0.0294	1	11/28/2021 15:31	WG1780837
Naphthalene	U		0.143	0.313	0.368	1	11/28/2021 15:31	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0279	0.125	0.147	1	11/28/2021 15:31	WG1780837
Styrene	U		0.00673	0.313	0.368	1	11/28/2021 15:31	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0279	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0204	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0222	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Tetrachloroethene	U		0.0263	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Tetrahydrofuran	U	J3	0.103	0.313	0.368	1	11/28/2021 15:31	WG1780837
Toluene	U		0.0382	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,2,3-Trichlorobenzene	U		0.215	0.313	0.368	1	11/28/2021 15:31	WG1780837
1,2,4-Trichlorobenzene	U		0.129	0.313	0.368	1	11/28/2021 15:31	WG1780837
1,1,1-Trichloroethane	U		0.0271	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,1,2-Trichloroethane	U		0.0175	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Trichloroethene	0.138		0.0172	0.0250	0.0294	1	11/28/2021 15:31	WG1780837
Trichlorofluoromethane	U		0.0243	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
1,2,3-Trichloropropane	U		0.0476	0.313	0.368	1	11/28/2021 15:31	WG1780837
1,2,4-Trimethylbenzene	U		0.0464	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,2,3-Trimethylbenzene	U		0.0464	0.125	0.147	1	11/28/2021 15:31	WG1780837
1,3,5-Trimethylbenzene	U		0.0588	0.125	0.147	1	11/28/2021 15:31	WG1780837
Vinyl chloride	U		0.0341	0.0625	0.0735	1	11/28/2021 15:31	WG1780837
Xylenes, Total	U		0.0259	0.163	0.192	1	11/28/2021 15:31	WG1780837
(S) Toluene-d8	*101*				*75.0-131*		*11/28/2021 15:31*	WG1780837
(S) 4-Bromofluorobenzene	*98.6*				*67.0-138*		*11/28/2021 15:31*	WG1780837
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*11/28/2021 15:31*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.3		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.28	1.25	1.76	1.07	11/28/2021 15:50	WG1780837
Acrylonitrile	U	J3	0.127	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
Allyl chloride	U		0.140	0.625	0.877	1.07	11/28/2021 15:50	WG1780837
Benzene	U		0.0164	0.0250	0.0351	1.07	11/28/2021 15:50	WG1780837
Bromobenzene	U		0.0315	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
Bromodichloromethane	U		0.0254	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Bromoform	U		0.0410	0.625	0.877	1.07	11/28/2021 15:50	WG1780837
Bromomethane	U		0.0690	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
n-Butylbenzene	U		0.184	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
sec-Butylbenzene	U		0.101	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
tert-Butylbenzene	U		0.0683	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
Carbon tetrachloride	U		0.0315	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
Chlorobenzene	U		0.00736	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Chlorodibromomethane	U		0.0214	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Chloroethane	U		0.0596	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
Chloroform	U		0.0361	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Chloromethane	U		0.152	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
2-Chlorotoluene	U		0.0303	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
4-Chlorotoluene	U		0.0158	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.137	0.625	0.877	1.07	11/28/2021 15:50	WG1780837
1,2-Dibromoethane	U		0.0227	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Dibromomethane	U		0.0263	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,2-Dichlorobenzene	U		0.0149	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,3-Dichlorobenzene	U		0.0210	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,4-Dichlorobenzene	U		0.0245	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
Dichlorodifluoromethane	U		0.0564	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Dichlorofluoromethane	U		0.0438	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,1-Dichloroethane	U		0.0172	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,2-Dichloroethane	U		0.0227	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,1-Dichloroethene	U		0.0212	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
cis-1,2-Dichloroethene	U		0.0257	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
trans-1,2-Dichloroethene	U		0.0365	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,2-Dichloropropane	U		0.0498	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,1-Dichloropropene	U		0.0284	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,3-Dichloropropane	U		0.0176	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
cis-1,3-Dichloropropene	U		0.0265	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
trans-1,3-Dichloropropene	U		0.0400	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
2,2-Dichloropropane	U		0.0484	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Di-isopropyl ether	U		0.0144	0.0250	0.0351	1.07	11/28/2021 15:50	WG1780837
Ethylbenzene	U		0.0258	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Ethyl ether	U		0.0312	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.210	0.625	0.877	1.07	11/28/2021 15:50	WG1780837
2-Hexanone	U		0.118	0.625	0.877	1.07	11/28/2021 15:50	WG1780837
Isopropylbenzene	U		0.0149	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
p-Isopropyltoluene	U		0.0894	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
2-Butanone (MEK)	U		2.23	2.50	3.51	1.07	11/28/2021 15:50	WG1780837
Methylene Chloride	U		0.233	0.625	0.877	1.07	11/28/2021 15:50	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0799	0.625	0.877	1.07	11/28/2021 15:50	WG1780837
Methyl tert-butyl ether	U		0.0123	0.0250	0.0351	1.07	11/28/2021 15:50	WG1780837
Naphthalene	U		0.171	0.313	0.438	1.07	11/28/2021 15:50	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0333	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
Styrene	U		0.00803	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0332	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0244	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0264	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Tetrachloroethene	U		0.0314	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Tetrahydrofuran	U	J3	0.123	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
Toluene	U		0.0456	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,2,3-Trichlorobenzene	U		0.257	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
1,2,4-Trichlorobenzene	U		0.154	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
1,1,1-Trichloroethane	0.0487	J	0.0323	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,1,2-Trichloroethane	U		0.0209	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Trichloroethene	0.499		0.0205	0.0250	0.0351	1.07	11/28/2021 15:50	WG1780837
Trichlorofluoromethane	U		0.0290	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
1,2,3-Trichloropropane	U		0.0568	0.313	0.438	1.07	11/28/2021 15:50	WG1780837
1,2,4-Trimethylbenzene	U		0.0554	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,2,3-Trimethylbenzene	U		0.0554	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
1,3,5-Trimethylbenzene	U		0.0701	0.125	0.176	1.07	11/28/2021 15:50	WG1780837
Vinyl chloride	U		0.0407	0.0625	0.0877	1.07	11/28/2021 15:50	WG1780837
Xylenes, Total	0.0489	J	0.0308	0.163	0.228	1.07	11/28/2021 15:50	WG1780837
(S) Toluene-d8	*99.5*				*75.0-131*		*11/28/2021 15:50*	WG1780837
(S) 4-Bromofluorobenzene	*99.5*				*67.0-138*		*11/28/2021 15:50*	WG1780837
(S) 1,2-Dichloroethane-d4	*114*				*70.0-130*		*11/28/2021 15:50*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.1		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.09	1.25	1.49	1	11/28/2021 16:09	WG1780837
Acrylonitrile	U	J3	0.107	0.313	0.372	1	11/28/2021 16:09	WG1780837
Allyl chloride	U		0.119	0.625	0.743	1	11/28/2021 16:09	WG1780837
Benzene	U		0.0139	0.0250	0.0297	1	11/28/2021 16:09	WG1780837
Bromobenzene	U		0.0268	0.313	0.372	1	11/28/2021 16:09	WG1780837
Bromodichloromethane	U		0.0216	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Bromoform	U		0.0348	0.625	0.743	1	11/28/2021 16:09	WG1780837
Bromomethane	U		0.0586	0.313	0.372	1	11/28/2021 16:09	WG1780837
n-Butylbenzene	U		0.156	0.313	0.372	1	11/28/2021 16:09	WG1780837
sec-Butylbenzene	U		0.0856	0.313	0.372	1	11/28/2021 16:09	WG1780837
tert-Butylbenzene	U		0.0580	0.125	0.149	1	11/28/2021 16:09	WG1780837
Carbon tetrachloride	U		0.0267	0.125	0.149	1	11/28/2021 16:09	WG1780837
Chlorobenzene	U		0.00625	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Chlorodibromomethane	U		0.0182	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Chloroethane	U		0.0506	0.125	0.149	1	11/28/2021 16:09	WG1780837
Chloroform	U		0.0306	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Chloromethane	U		0.129	0.313	0.372	1	11/28/2021 16:09	WG1780837
2-Chlorotoluene	U		0.0257	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
4-Chlorotoluene	U		0.0134	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.116	0.625	0.743	1	11/28/2021 16:09	WG1780837
1,2-Dibromoethane	U		0.0193	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Dibromomethane	U		0.0223	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,2-Dichlorobenzene	U		0.0126	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,3-Dichlorobenzene	U		0.0178	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,4-Dichlorobenzene	U		0.0208	0.125	0.149	1	11/28/2021 16:09	WG1780837
Dichlorodifluoromethane	U		0.0479	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Dichlorofluoromethane	U		0.0372	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,1-Dichloroethane	U		0.0146	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,2-Dichloroethane	U		0.0193	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,1-Dichloroethene	U		0.0180	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
cis-1,2-Dichloroethene	U		0.0218	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
trans-1,2-Dichloroethene	U		0.0309	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,2-Dichloropropane	U		0.0422	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,1-Dichloropropene	U		0.0241	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,3-Dichloropropane	U		0.0149	0.125	0.149	1	11/28/2021 16:09	WG1780837
cis-1,3-Dichloropropene	U		0.0225	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
trans-1,3-Dichloropropene	U		0.0339	0.125	0.149	1	11/28/2021 16:09	WG1780837
2,2-Dichloropropane	U		0.0410	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Di-isopropyl ether	U		0.0122	0.0250	0.0297	1	11/28/2021 16:09	WG1780837
Ethylbenzene	U		0.0219	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Ethyl ether	U		0.0265	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.178	0.625	0.743	1	11/28/2021 16:09	WG1780837
2-Hexanone	U		0.0999	0.625	0.743	1	11/28/2021 16:09	WG1780837
Isopropylbenzene	U		0.0126	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
p-Isopropyltoluene	U		0.0758	0.125	0.149	1	11/28/2021 16:09	WG1780837
2-Butanone (MEK)	U		1.89	2.50	2.97	1	11/28/2021 16:09	WG1780837
Methylene Chloride	U		0.197	0.625	0.743	1	11/28/2021 16:09	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0678	0.625	0.743	1	11/28/2021 16:09	WG1780837
Methyl tert-butyl ether	U		0.0104	0.0250	0.0297	1	11/28/2021 16:09	WG1780837
Naphthalene	U		0.145	0.313	0.372	1	11/28/2021 16:09	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0283	0.125	0.149	1	11/28/2021 16:09	WG1780837
Styrene	U		0.00681	0.313	0.372	1	11/28/2021 16:09	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0282	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0207	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0224	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Tetrachloroethene	U		0.0266	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Tetrahydrofuran	U	J3	0.105	0.313	0.372	1	11/28/2021 16:09	WG1780837
Toluene	U		0.0387	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,2,3-Trichlorobenzene	U		0.218	0.313	0.372	1	11/28/2021 16:09	WG1780837
1,2,4-Trichlorobenzene	U		0.131	0.313	0.372	1	11/28/2021 16:09	WG1780837
1,1,1-Trichloroethane	U		0.0274	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,1,2-Trichloroethane	U		0.0178	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Trichloroethene	U		0.0174	0.0250	0.0297	1	11/28/2021 16:09	WG1780837
Trichlorofluoromethane	U		0.0246	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
1,2,3-Trichloropropane	U		0.0482	0.313	0.372	1	11/28/2021 16:09	WG1780837
1,2,4-Trimethylbenzene	U		0.0470	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,2,3-Trimethylbenzene	U		0.0470	0.125	0.149	1	11/28/2021 16:09	WG1780837
1,3,5-Trimethylbenzene	U		0.0595	0.125	0.149	1	11/28/2021 16:09	WG1780837
Vinyl chloride	U		0.0345	0.0625	0.0743	1	11/28/2021 16:09	WG1780837
Xylenes, Total	U		0.0262	0.163	0.194	1	11/28/2021 16:09	WG1780837
(S) Toluene-d8	*98.4*				*75.0-131*		*11/28/2021 16:09*	WG1780837
(S) 4-Bromofluorobenzene	*99.0*				*67.0-138*		*11/28/2021 16:09*	WG1780837
(S) 1,2-Dichloroethane-d4	*115*				*70.0-130*		*11/28/2021 16:09*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	11/27/2021 09:55	WG1780386

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.13	1.25	1.55	1	11/28/2021 16:28	WG1780837
Acrylonitrile	U	J3	0.112	0.313	0.387	1	11/28/2021 16:28	WG1780837
Allyl chloride	U		0.124	0.625	0.773	1	11/28/2021 16:28	WG1780837
Benzene	U		0.0144	0.0250	0.0309	1	11/28/2021 16:28	WG1780837
Bromobenzene	U		0.0278	0.313	0.387	1	11/28/2021 16:28	WG1780837
Bromodichloromethane	U		0.0224	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Bromoform	U		0.0362	0.625	0.773	1	11/28/2021 16:28	WG1780837
Bromomethane	U		0.0609	0.313	0.387	1	11/28/2021 16:28	WG1780837
n-Butylbenzene	U		0.162	0.313	0.387	1	11/28/2021 16:28	WG1780837
sec-Butylbenzene	U		0.0891	0.313	0.387	1	11/28/2021 16:28	WG1780837
tert-Butylbenzene	U		0.0603	0.125	0.155	1	11/28/2021 16:28	WG1780837
Carbon tetrachloride	U		0.0278	0.125	0.155	1	11/28/2021 16:28	WG1780837
Chlorobenzene	U		0.00650	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Chlorodibromomethane	U		0.0189	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Chloroethane	U		0.0526	0.125	0.155	1	11/28/2021 16:28	WG1780837
Chloroform	U		0.0319	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Chloromethane	U		0.135	0.313	0.387	1	11/28/2021 16:28	WG1780837
2-Chlorotoluene	U		0.0268	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
4-Chlorotoluene	U		0.0139	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.121	0.625	0.773	1	11/28/2021 16:28	WG1780837
1,2-Dibromoethane	U		0.0200	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Dibromomethane	U		0.0232	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,2-Dichlorobenzene	U		0.0131	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,3-Dichlorobenzene	U		0.0186	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,4-Dichlorobenzene	U		0.0217	0.125	0.155	1	11/28/2021 16:28	WG1780837
Dichlorodifluoromethane	U		0.0498	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Dichlorofluoromethane	U		0.0387	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,1-Dichloroethane	U		0.0152	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,2-Dichloroethane	U		0.0201	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,1-Dichloroethene	U		0.0187	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
cis-1,2-Dichloroethene	U		0.0227	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
trans-1,2-Dichloroethene	U		0.0322	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,2-Dichloropropane	U		0.0439	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,1-Dichloropropene	U		0.0250	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,3-Dichloropropane	U		0.0155	0.125	0.155	1	11/28/2021 16:28	WG1780837
cis-1,3-Dichloropropene	U		0.0234	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
trans-1,3-Dichloropropene	U		0.0353	0.125	0.155	1	11/28/2021 16:28	WG1780837
2,2-Dichloropropane	U		0.0427	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Di-isopropyl ether	U		0.0127	0.0250	0.0309	1	11/28/2021 16:28	WG1780837
Ethylbenzene	U		0.0228	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Ethyl ether	U		0.0276	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.186	0.625	0.773	1	11/28/2021 16:28	WG1780837
2-Hexanone	U		0.104	0.625	0.773	1	11/28/2021 16:28	WG1780837
Isopropylbenzene	U		0.0131	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
p-Isopropyltoluene	U		0.0789	0.125	0.155	1	11/28/2021 16:28	WG1780837
2-Butanone (MEK)	U		1.96	2.50	3.09	1	11/28/2021 16:28	WG1780837
Methylene Chloride	U		0.205	0.625	0.773	1	11/28/2021 16:28	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0705	0.625	0.773	1	11/28/2021 16:28	WG1780837
Methyl tert-butyl ether	U		0.0108	0.0250	0.0309	1	11/28/2021 16:28	WG1780837
Naphthalene	U		0.151	0.313	0.387	1	11/28/2021 16:28	WG1780837

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0294	0.125	0.155	1	11/28/2021 16:28	WG1780837
Styrene	U		0.00708	0.313	0.387	1	11/28/2021 16:28	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0293	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0215	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0233	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Tetrachloroethene	U		0.0277	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Tetrahydrofuran	U	J3	0.109	0.313	0.387	1	11/28/2021 16:28	WG1780837
Toluene	U		0.0402	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,2,3-Trichlorobenzene	U		0.227	0.313	0.387	1	11/28/2021 16:28	WG1780837
1,2,4-Trichlorobenzene	U		0.136	0.313	0.387	1	11/28/2021 16:28	WG1780837
1,1,1-Trichloroethane	U		0.0286	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,1,2-Trichloroethane	U		0.0185	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Trichloroethene	U		0.0181	0.0250	0.0309	1	11/28/2021 16:28	WG1780837
Trichlorofluoromethane	U		0.0256	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
1,2,3-Trichloropropane	U		0.0501	0.313	0.387	1	11/28/2021 16:28	WG1780837
1,2,4-Trimethylbenzene	U		0.0489	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,2,3-Trimethylbenzene	U		0.0489	0.125	0.155	1	11/28/2021 16:28	WG1780837
1,3,5-Trimethylbenzene	U		0.0619	0.125	0.155	1	11/28/2021 16:28	WG1780837
Vinyl chloride	U		0.0359	0.0625	0.0773	1	11/28/2021 16:28	WG1780837
Xylenes, Total	U		0.0272	0.163	0.202	1	11/28/2021 16:28	WG1780837
(S) Toluene-d8	*102*				*75.0-131*		*11/28/2021 16:28*	WG1780837
(S) 4-Bromofluorobenzene	*98.9*				*67.0-138*		*11/28/2021 16:28*	WG1780837
(S) 1,2-Dichloroethane-d4	*114*				*70.0-130*		*11/28/2021 16:28*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	11/27/2021 09:41	WG1780387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.08	1.25	1.47	1	11/28/2021 16:46	WG1780837
Acrylonitrile	U	J3	0.106	0.313	0.369	1	11/28/2021 16:46	WG1780837
Allyl chloride	U		0.118	0.625	0.736	1	11/28/2021 16:46	WG1780837
Benzene	U		0.0138	0.0250	0.0295	1	11/28/2021 16:46	WG1780837
Bromobenzene	U		0.0265	0.313	0.369	1	11/28/2021 16:46	WG1780837
Bromodichloromethane	U		0.0214	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Bromoform	U		0.0345	0.625	0.736	1	11/28/2021 16:46	WG1780837
Bromomethane	U		0.0580	0.313	0.369	1	11/28/2021 16:46	WG1780837
n-Butylbenzene	U		0.155	0.313	0.369	1	11/28/2021 16:46	WG1780837
sec-Butylbenzene	U		0.0848	0.313	0.369	1	11/28/2021 16:46	WG1780837
tert-Butylbenzene	U		0.0574	0.125	0.147	1	11/28/2021 16:46	WG1780837
Carbon tetrachloride	U		0.0264	0.125	0.147	1	11/28/2021 16:46	WG1780837
Chlorobenzene	U		0.00619	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Chlorodibromomethane	U		0.0180	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Chloroethane	U		0.0501	0.125	0.147	1	11/28/2021 16:46	WG1780837
Chloroform	U		0.0303	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Chloromethane	U		0.128	0.313	0.369	1	11/28/2021 16:46	WG1780837
2-Chlorotoluene	U		0.0255	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
4-Chlorotoluene	U		0.0133	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.115	0.625	0.736	1	11/28/2021 16:46	WG1780837
1,2-Dibromoethane	U		0.0191	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Dibromomethane	U		0.0221	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,2-Dichlorobenzene	U		0.0125	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,3-Dichlorobenzene	U		0.0177	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,4-Dichlorobenzene	U		0.0206	0.125	0.147	1	11/28/2021 16:46	WG1780837
Dichlorodifluoromethane	U		0.0474	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Dichlorofluoromethane	U		0.0368	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,1-Dichloroethane	U		0.0145	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,2-Dichloroethane	U		0.0191	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,1-Dichloroethene	U		0.0178	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
cis-1,2-Dichloroethene	U		0.0216	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
trans-1,2-Dichloroethene	U		0.0306	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,2-Dichloropropane	U		0.0418	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,1-Dichloropropene	U		0.0238	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,3-Dichloropropane	U		0.0148	0.125	0.147	1	11/28/2021 16:46	WG1780837
cis-1,3-Dichloropropene	U		0.0223	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
trans-1,3-Dichloropropene	U		0.0336	0.125	0.147	1	11/28/2021 16:46	WG1780837
2,2-Dichloropropane	U		0.0406	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Di-isopropyl ether	U		0.0121	0.0250	0.0295	1	11/28/2021 16:46	WG1780837
Ethylbenzene	U		0.0217	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Ethyl ether	U		0.0262	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.177	0.625	0.736	1	11/28/2021 16:46	WG1780837
2-Hexanone	U		0.0990	0.625	0.736	1	11/28/2021 16:46	WG1780837
Isopropylbenzene	U		0.0125	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
p-Isopropyltoluene	U		0.0751	0.125	0.147	1	11/28/2021 16:46	WG1780837
2-Butanone (MEK)	U		1.87	2.50	2.95	1	11/28/2021 16:46	WG1780837
Methylene Chloride	U		0.196	0.625	0.736	1	11/28/2021 16:46	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0672	0.625	0.736	1	11/28/2021 16:46	WG1780837
Methyl tert-butyl ether	U		0.0103	0.0250	0.0295	1	11/28/2021 16:46	WG1780837
Naphthalene	U		0.144	0.313	0.369	1	11/28/2021 16:46	WG1780837

1 Cp 2 Tc 3 Ss 4 Cn 5 Tr 6 Sr 7 Qc 8 Gl 9 Al 10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0280	0.125	0.147	1	11/28/2021 16:46	WG1780837
Styrene	U		0.00674	0.313	0.369	1	11/28/2021 16:46	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0279	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0205	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0222	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Tetrachloroethene	U		0.0264	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Tetrahydrofuran	U	J3	0.104	0.313	0.369	1	11/28/2021 16:46	WG1780837
Toluene	U		0.0383	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,2,3-Trichlorobenzene	U		0.216	0.313	0.369	1	11/28/2021 16:46	WG1780837
1,2,4-Trichlorobenzene	U		0.130	0.313	0.369	1	11/28/2021 16:46	WG1780837
1,1,1-Trichloroethane	U		0.0272	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,1,2-Trichloroethane	U		0.0176	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Trichloroethene	U		0.0172	0.0250	0.0295	1	11/28/2021 16:46	WG1780837
Trichlorofluoromethane	U		0.0244	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
1,2,3-Trichloropropane	U		0.0477	0.313	0.369	1	11/28/2021 16:46	WG1780837
1,2,4-Trimethylbenzene	U		0.0465	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,2,3-Trimethylbenzene	U		0.0465	0.125	0.147	1	11/28/2021 16:46	WG1780837
1,3,5-Trimethylbenzene	U		0.0589	0.125	0.147	1	11/28/2021 16:46	WG1780837
Vinyl chloride	U		0.0342	0.0625	0.0736	1	11/28/2021 16:46	WG1780837
Xylenes, Total	U		0.0259	0.163	0.192	1	11/28/2021 16:46	WG1780837
(S) Toluene-d8	*100*				*75.0-131*		*11/28/2021 16:46*	WG1780837
(S) 4-Bromofluorobenzene	*97.9*				*67.0-138*		*11/28/2021 16:46*	WG1780837
(S) 1,2-Dichloroethane-d4	*109*				*70.0-130*		*11/28/2021 16:46*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.8		1	11/27/2021 09:41	WG1780387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.10	1.25	1.51	1	11/28/2021 17:05	WG1780837
Acrylonitrile	U	J3	0.109	0.313	0.378	1	11/28/2021 17:05	WG1780837
Allyl chloride	U		0.121	0.625	0.755	1	11/28/2021 17:05	WG1780837
Benzene	U		0.0141	0.0250	0.0302	1	11/28/2021 17:05	WG1780837
Bromobenzene	U		0.0272	0.313	0.378	1	11/28/2021 17:05	WG1780837
Bromodichloromethane	U		0.0219	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Bromoform	U		0.0353	0.625	0.755	1	11/28/2021 17:05	WG1780837
Bromomethane	U		0.0595	0.313	0.378	1	11/28/2021 17:05	WG1780837
n-Butylbenzene	U		0.159	0.313	0.378	1	11/28/2021 17:05	WG1780837
sec-Butylbenzene	U		0.0870	0.313	0.378	1	11/28/2021 17:05	WG1780837
tert-Butylbenzene	U		0.0589	0.125	0.151	1	11/28/2021 17:05	WG1780837
Carbon tetrachloride	U		0.0271	0.125	0.151	1	11/28/2021 17:05	WG1780837
Chlorobenzene	U		0.00634	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Chlorodibromomethane	U		0.0185	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Chloroethane	U		0.0514	0.125	0.151	1	11/28/2021 17:05	WG1780837
Chloroform	U		0.0311	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Chloromethane	U		0.131	0.313	0.378	1	11/28/2021 17:05	WG1780837
2-Chlorotoluene	U		0.0261	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
4-Chlorotoluene	U		0.0136	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.118	0.625	0.755	1	11/28/2021 17:05	WG1780837
1,2-Dibromoethane	U		0.0196	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Dibromomethane	U		0.0227	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,2-Dichlorobenzene	U		0.0128	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,3-Dichlorobenzene	U		0.0181	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,4-Dichlorobenzene	U		0.0211	0.125	0.151	1	11/28/2021 17:05	WG1780837
Dichlorodifluoromethane	U		0.0486	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Dichlorofluoromethane	U		0.0378	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,1-Dichloroethane	U		0.0148	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,2-Dichloroethane	U		0.0196	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,1-Dichloroethene	U		0.0183	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
cis-1,2-Dichloroethene	U		0.0222	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
trans-1,2-Dichloroethene	U		0.0314	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,2-Dichloropropane	U		0.0429	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,1-Dichloropropene	U		0.0244	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,3-Dichloropropane	U		0.0151	0.125	0.151	1	11/28/2021 17:05	WG1780837
cis-1,3-Dichloropropene	U		0.0229	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
trans-1,3-Dichloropropene	U		0.0344	0.125	0.151	1	11/28/2021 17:05	WG1780837
2,2-Dichloropropane	U		0.0417	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Di-isopropyl ether	U		0.0124	0.0250	0.0302	1	11/28/2021 17:05	WG1780837
Ethylbenzene	U		0.0223	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Ethyl ether	U		0.0269	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.181	0.625	0.755	1	11/28/2021 17:05	WG1780837
2-Hexanone	U		0.101	0.625	0.755	1	11/28/2021 17:05	WG1780837
Isopropylbenzene	U		0.0128	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
p-Isopropyltoluene	U		0.0770	0.125	0.151	1	11/28/2021 17:05	WG1780837
2-Butanone (MEK)	U		1.92	2.50	3.02	1	11/28/2021 17:05	WG1780837
Methylene Chloride	U		0.201	0.625	0.755	1	11/28/2021 17:05	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0689	0.625	0.755	1	11/28/2021 17:05	WG1780837
Methyl tert-butyl ether	U		0.0106	0.0250	0.0302	1	11/28/2021 17:05	WG1780837
Naphthalene	U		0.147	0.313	0.378	1	11/28/2021 17:05	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0287	0.125	0.151	1	11/28/2021 17:05	WG1780837
Styrene	U		0.00692	0.313	0.378	1	11/28/2021 17:05	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0286	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0210	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0228	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Tetrachloroethene	U		0.0271	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Tetrahydrofuran	U	J3	0.106	0.313	0.378	1	11/28/2021 17:05	WG1780837
Toluene	U		0.0393	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,2,3-Trichlorobenzene	U		0.221	0.313	0.378	1	11/28/2021 17:05	WG1780837
1,2,4-Trichlorobenzene	U		0.133	0.313	0.378	1	11/28/2021 17:05	WG1780837
1,1,1-Trichloroethane	U		0.0279	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,1,2-Trichloroethane	U		0.0180	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Trichloroethene	U		0.0176	0.0250	0.0302	1	11/28/2021 17:05	WG1780837
Trichlorofluoromethane	U		0.0250	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
1,2,3-Trichloropropane	U		0.0489	0.313	0.378	1	11/28/2021 17:05	WG1780837
1,2,4-Trimethylbenzene	U		0.0477	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,2,3-Trimethylbenzene	U		0.0477	0.125	0.151	1	11/28/2021 17:05	WG1780837
1,3,5-Trimethylbenzene	U		0.0604	0.125	0.151	1	11/28/2021 17:05	WG1780837
Vinyl chloride	U		0.0350	0.0625	0.0755	1	11/28/2021 17:05	WG1780837
Xylenes, Total	U		0.0266	0.163	0.197	1	11/28/2021 17:05	WG1780837
(S) Toluene-d8	*101*				*75.0-131*		*11/28/2021 17:05*	WG1780837
(S) 4-Bromofluorobenzene	*98.0*				*67.0-138*		*11/28/2021 17:05*	WG1780837
(S) 1,2-Dichloroethane-d4	*114*				*70.0-130*		*11/28/2021 17:05*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	11/27/2021 09:41	WG1780387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.16	1.25	1.59	1	11/28/2021 17:24	WG1780837
Acrylonitrile	U	J3	0.115	0.313	0.399	1	11/28/2021 17:24	WG1780837
Allyl chloride	U		0.128	0.625	0.797	1	11/28/2021 17:24	WG1780837
Benzene	U		0.0149	0.0250	0.0319	1	11/28/2021 17:24	WG1780837
Bromobenzene	U		0.0287	0.313	0.399	1	11/28/2021 17:24	WG1780837
Bromodichloromethane	U		0.0231	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Bromoform	U		0.0373	0.625	0.797	1	11/28/2021 17:24	WG1780837
Bromomethane	U		0.0628	0.313	0.399	1	11/28/2021 17:24	WG1780837
n-Butylbenzene	U		0.167	0.313	0.399	1	11/28/2021 17:24	WG1780837
sec-Butylbenzene	U		0.0919	0.313	0.399	1	11/28/2021 17:24	WG1780837
tert-Butylbenzene	U		0.0622	0.125	0.159	1	11/28/2021 17:24	WG1780837
Carbon tetrachloride	U		0.0286	0.125	0.159	1	11/28/2021 17:24	WG1780837
Chlorobenzene	U		0.00670	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Chlorodibromomethane	U		0.0195	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Chloroethane	U		0.0542	0.125	0.159	1	11/28/2021 17:24	WG1780837
Chloroform	U		0.0329	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Chloromethane	U		0.139	0.313	0.399	1	11/28/2021 17:24	WG1780837
2-Chlorotoluene	U		0.0276	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
4-Chlorotoluene	U		0.0144	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.124	0.625	0.797	1	11/28/2021 17:24	WG1780837
1,2-Dibromoethane	U		0.0207	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Dibromomethane	U		0.0239	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,2-Dichlorobenzene	U		0.0136	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,3-Dichlorobenzene	U		0.0191	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,4-Dichlorobenzene	U		0.0223	0.125	0.159	1	11/28/2021 17:24	WG1780837
Dichlorodifluoromethane	U		0.0514	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Dichlorofluoromethane	U		0.0399	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,1-Dichloroethane	U		0.0157	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,2-Dichloroethane	U		0.0207	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,1-Dichloroethene	U		0.0193	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
cis-1,2-Dichloroethene	U		0.0234	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
trans-1,2-Dichloroethene	U		0.0332	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,2-Dichloropropane	U		0.0453	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,1-Dichloropropene	U		0.0258	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,3-Dichloropropane	U		0.0160	0.125	0.159	1	11/28/2021 17:24	WG1780837
cis-1,3-Dichloropropene	U		0.0241	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
trans-1,3-Dichloropropene	U		0.0364	0.125	0.159	1	11/28/2021 17:24	WG1780837
2,2-Dichloropropane	U		0.0440	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Di-isopropyl ether	U		0.0131	0.0250	0.0319	1	11/28/2021 17:24	WG1780837
Ethylbenzene	U		0.0235	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Ethyl ether	U		0.0284	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.191	0.625	0.797	1	11/28/2021 17:24	WG1780837
2-Hexanone	U		0.107	0.625	0.797	1	11/28/2021 17:24	WG1780837
Isopropylbenzene	U		0.0136	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
p-Isopropyltoluene	U		0.0813	0.125	0.159	1	11/28/2021 17:24	WG1780837
2-Butanone (MEK)	U		2.03	2.50	3.19	1	11/28/2021 17:24	WG1780837
Methylene Chloride	U		0.212	0.625	0.797	1	11/28/2021 17:24	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0727	0.625	0.797	1	11/28/2021 17:24	WG1780837
Methyl tert-butyl ether	U		0.0112	0.0250	0.0319	1	11/28/2021 17:24	WG1780837
Naphthalene	U		0.156	0.313	0.399	1	11/28/2021 17:24	WG1780837

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0303	0.125	0.159	1	11/28/2021 17:24	WG1780837
Styrene	U		0.00730	0.313	0.399	1	11/28/2021 17:24	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0302	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0222	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0241	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Tetrachloroethene	U		0.0286	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Tetrahydrofuran	U	J3	0.112	0.313	0.399	1	11/28/2021 17:24	WG1780837
Toluene	U		0.0415	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,2,3-Trichlorobenzene	U		0.234	0.313	0.399	1	11/28/2021 17:24	WG1780837
1,2,4-Trichlorobenzene	U		0.140	0.313	0.399	1	11/28/2021 17:24	WG1780837
1,1,1-Trichloroethane	U		0.0294	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,1,2-Trichloroethane	U		0.0190	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Trichloroethene	U		0.0186	0.0250	0.0319	1	11/28/2021 17:24	WG1780837
Trichlorofluoromethane	U		0.0264	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
1,2,3-Trichloropropane	U		0.0517	0.313	0.399	1	11/28/2021 17:24	WG1780837
1,2,4-Trimethylbenzene	U		0.0504	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,2,3-Trimethylbenzene	U		0.0504	0.125	0.159	1	11/28/2021 17:24	WG1780837
1,3,5-Trimethylbenzene	U		0.0638	0.125	0.159	1	11/28/2021 17:24	WG1780837
Vinyl chloride	U		0.0370	0.0625	0.0797	1	11/28/2021 17:24	WG1780837
Xylenes, Total	U		0.0281	0.163	0.208	1	11/28/2021 17:24	WG1780837
(S) Toluene-d8	*101*				*75.0-131*		*11/28/2021 17:24*	WG1780837
(S) 4-Bromofluorobenzene	*99.3*				*67.0-138*		*11/28/2021 17:24*	WG1780837
(S) 1,2-Dichloroethane-d4	*110*				*70.0-130*		*11/28/2021 17:24*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	64.8		1	11/27/2021 09:41	WG1780387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.92	1.25	2.62	1.36	11/28/2021 17:43	WG1780837
Acrylonitrile	U	J3	0.189	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
Allyl chloride	U		0.210	0.625	1.31	1.36	11/28/2021 17:43	WG1780837
Benzene	U		0.0245	0.0250	0.0525	1.36	11/28/2021 17:43	WG1780837
Bromobenzene	U		0.0472	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
Bromodichloromethane	U		0.0381	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Bromoform	U		0.0614	0.625	1.31	1.36	11/28/2021 17:43	WG1780837
Bromomethane	U		0.103	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
n-Butylbenzene	U		0.276	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
sec-Butylbenzene	U		0.151	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
tert-Butylbenzene	U		0.102	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
Carbon tetrachloride	U		0.0471	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
Chlorobenzene	U		0.0110	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Chlorodibromomethane	U		0.0321	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Chloroethane	U		0.0892	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
Chloroform	U		0.0541	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Chloromethane	U		0.228	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
2-Chlorotoluene	U		0.0454	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
4-Chlorotoluene	U		0.0236	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.205	0.625	1.31	1.36	11/28/2021 17:43	WG1780837
1,2-Dibromoethane	U		0.0340	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Dibromomethane	U		0.0394	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,2-Dichlorobenzene	U		0.0223	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,3-Dichlorobenzene	U		0.0315	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,4-Dichlorobenzene	U		0.0367	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
Dichlorodifluoromethane	U		0.0845	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Dichlorofluoromethane	U		0.0656	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,1-Dichloroethane	U		0.0258	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,2-Dichloroethane	U		0.0341	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,1-Dichloroethene	U		0.0318	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
cis-1,2-Dichloroethene	U		0.0385	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
trans-1,2-Dichloroethene	U		0.0546	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,2-Dichloropropane	U		0.0745	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,1-Dichloropropene	U		0.0425	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,3-Dichloropropane	U		0.0263	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
cis-1,3-Dichloropropene	U		0.0397	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
trans-1,3-Dichloropropene	U		0.0598	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
2,2-Dichloropropane	U		0.0724	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Di-isopropyl ether	U		0.0215	0.0250	0.0525	1.36	11/28/2021 17:43	WG1780837
Ethylbenzene	U		0.0387	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Ethyl ether	U		0.0468	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.315	0.625	1.31	1.36	11/28/2021 17:43	WG1780837
2-Hexanone	U		0.176	0.625	1.31	1.36	11/28/2021 17:43	WG1780837
Isopropylbenzene	U		0.0223	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
p-Isopropyltoluene	U		0.134	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
2-Butanone (MEK)	U		3.33	2.50	5.25	1.36	11/28/2021 17:43	WG1780837
Methylene Chloride	U		0.349	0.625	1.31	1.36	11/28/2021 17:43	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.120	0.625	1.31	1.36	11/28/2021 17:43	WG1780837
Methyl tert-butyl ether	U		0.0184	0.0250	0.0525	1.36	11/28/2021 17:43	WG1780837
Naphthalene	U		0.256	0.313	0.656	1.36	11/28/2021 17:43	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0499	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
Styrene	U		0.0120	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0498	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0365	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0396	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Tetrachloroethene	U		0.0470	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Tetrahydrofuran	U	J3	0.185	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
Toluene	U		0.0682	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,2,3-Trichlorobenzene	U		0.385	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
1,2,4-Trichlorobenzene	U		0.231	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
1,1,1-Trichloroethane	U		0.0484	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,1,2-Trichloroethane	U		0.0313	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Trichloroethene	U		0.0307	0.0250	0.0525	1.36	11/28/2021 17:43	WG1780837
Trichlorofluoromethane	U		0.0434	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
1,2,3-Trichloropropane	U		0.0850	0.313	0.656	1.36	11/28/2021 17:43	WG1780837
1,2,4-Trimethylbenzene	U		0.0829	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,2,3-Trimethylbenzene	U		0.0829	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
1,3,5-Trimethylbenzene	U		0.105	0.125	0.262	1.36	11/28/2021 17:43	WG1780837
Vinyl chloride	U		0.0609	0.0625	0.131	1.36	11/28/2021 17:43	WG1780837
Xylenes, Total	0.122	J	0.0462	0.163	0.341	1.36	11/28/2021 17:43	WG1780837
(S) Toluene-d8	*98.2*				*75.0-131*		*11/28/2021 17:43*	WG1780837
(S) 4-Bromofluorobenzene	*94.8*				*67.0-138*		*11/28/2021 17:43*	WG1780837
(S) 1,2-Dichloroethane-d4	*116*				*70.0-130*		*11/28/2021 17:43*	WG1780837

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	11/27/2021 09:41	WG1780387

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg	mg/kg		date / time	
Acetone	U	J3	1.09	1.25	1.50	1	11/28/2021 18:02	WG1780837
Acrylonitrile	U	J3	0.108	0.313	0.375	1	11/28/2021 18:02	WG1780837
Allyl chloride	U		0.120	0.625	0.749	1	11/28/2021 18:02	WG1780837
Benzene	U		0.0140	0.0250	0.0299	1	11/28/2021 18:02	WG1780837
Bromobenzene	U		0.0269	0.313	0.375	1	11/28/2021 18:02	WG1780837
Bromodichloromethane	U		0.0217	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Bromoform	U		0.0350	0.625	0.749	1	11/28/2021 18:02	WG1780837
Bromomethane	U		0.0590	0.313	0.375	1	11/28/2021 18:02	WG1780837
n-Butylbenzene	U		0.157	0.313	0.375	1	11/28/2021 18:02	WG1780837
sec-Butylbenzene	U		0.0862	0.313	0.375	1	11/28/2021 18:02	WG1780837
tert-Butylbenzene	U		0.0584	0.125	0.150	1	11/28/2021 18:02	WG1780837
Carbon tetrachloride	U		0.0269	0.125	0.150	1	11/28/2021 18:02	WG1780837
Chlorobenzene	U		0.00629	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Chlorodibromomethane	U		0.0183	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Chloroethane	U		0.0509	0.125	0.150	1	11/28/2021 18:02	WG1780837
Chloroform	U		0.0308	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Chloromethane	U		0.130	0.313	0.375	1	11/28/2021 18:02	WG1780837
2-Chlorotoluene	U		0.0259	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
4-Chlorotoluene	U		0.0135	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,2-Dibromo-3-Chloropropane	U		0.117	0.625	0.749	1	11/28/2021 18:02	WG1780837
1,2-Dibromoethane	U		0.0194	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Dibromomethane	U		0.0225	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,2-Dichlorobenzene	U		0.0127	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,3-Dichlorobenzene	U		0.0180	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,4-Dichlorobenzene	U		0.0210	0.125	0.150	1	11/28/2021 18:02	WG1780837
Dichlorodifluoromethane	U		0.0482	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Dichlorofluoromethane	U		0.0374	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,1-Dichloroethane	U		0.0147	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,2-Dichloroethane	U		0.0194	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,1-Dichloroethene	U		0.0181	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
cis-1,2-Dichloroethene	U		0.0220	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
trans-1,2-Dichloroethene	U		0.0311	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,2-Dichloropropane	U		0.0425	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,1-Dichloropropene	U		0.0242	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,3-Dichloropropane	U		0.0150	0.125	0.150	1	11/28/2021 18:02	WG1780837
cis-1,3-Dichloropropene	U		0.0227	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
trans-1,3-Dichloropropene	U		0.0341	0.125	0.150	1	11/28/2021 18:02	WG1780837
2,2-Dichloropropane	U		0.0413	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Di-isopropyl ether	U		0.0123	0.0250	0.0299	1	11/28/2021 18:02	WG1780837
Ethylbenzene	U		0.0221	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Ethyl ether	U		0.0267	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Hexachloro-1,3-butadiene	U	J4	0.180	0.625	0.749	1	11/28/2021 18:02	WG1780837
2-Hexanone	U		0.101	0.625	0.749	1	11/28/2021 18:02	WG1780837
Isopropylbenzene	U		0.0127	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
p-Isopropyltoluene	U		0.0764	0.125	0.150	1	11/28/2021 18:02	WG1780837
2-Butanone (MEK)	U		1.90	2.50	2.99	1	11/28/2021 18:02	WG1780837
Methylene Chloride	U		0.199	0.625	0.749	1	11/28/2021 18:02	WG1780837
4-Methyl-2-pentanone (MIBK)	U		0.0683	0.625	0.749	1	11/28/2021 18:02	WG1780837
Methyl tert-butyl ether	U		0.0105	0.0250	0.0299	1	11/28/2021 18:02	WG1780837
Naphthalene	U		0.146	0.313	0.375	1	11/28/2021 18:02	WG1780837

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	SDL (dry) mg/kg	Unadj. MQL mg/kg	MQL (dry) mg/kg	Dilution	Analysis date / time	Batch
n-Propylbenzene	U		0.0284	0.125	0.150	1	11/28/2021 18:02	WG1780837
Styrene	U		0.00686	0.313	0.375	1	11/28/2021 18:02	WG1780837
1,1,1,2-Tetrachloroethane	U		0.0284	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,1,2,2-Tetrachloroethane	U	C3	0.0208	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,1,2-Trichlorotrifluoroethane	U		0.0226	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Tetrachloroethene	U		0.0268	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Tetrahydrofuran	U	J3	0.105	0.313	0.375	1	11/28/2021 18:02	WG1780837
Toluene	U		0.0389	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,2,3-Trichlorobenzene	U		0.219	0.313	0.375	1	11/28/2021 18:02	WG1780837
1,2,4-Trichlorobenzene	U		0.132	0.313	0.375	1	11/28/2021 18:02	WG1780837
1,1,1-Trichloroethane	U		0.0276	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,1,2-Trichloroethane	U		0.0179	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Trichloroethene	U		0.0175	0.0250	0.0299	1	11/28/2021 18:02	WG1780837
Trichlorofluoromethane	U		0.0248	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
1,2,3-Trichloropropane	U		0.0485	0.313	0.375	1	11/28/2021 18:02	WG1780837
1,2,4-Trimethylbenzene	U		0.0473	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,2,3-Trimethylbenzene	U		0.0473	0.125	0.150	1	11/28/2021 18:02	WG1780837
1,3,5-Trimethylbenzene	U		0.0599	0.125	0.150	1	11/28/2021 18:02	WG1780837
Vinyl chloride	U		0.0347	0.0625	0.0749	1	11/28/2021 18:02	WG1780837
Xylenes, Total	U		0.0264	0.163	0.195	1	11/28/2021 18:02	WG1780837
(S) Toluene-d8	*105*				*75.0-131*		*11/28/2021 18:02*	WG1780837
(S) 4-Bromofluorobenzene	*108*				*67.0-138*		*11/28/2021 18:02*	WG1780837
(S) 1,2-Dichloroethane-d4	*113*				*70.0-130*		*11/28/2021 18:02*	WG1780837

Method Blank (MB)

(MB) R3734712-1 11/27/21 09:55

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1435520-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1435520-01 11/27/21 09:55 • (DUP) R3734712-3 11/27/21 09:55

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	81.9	81.4	1	0.646		10

Laboratory Control Sample (LCS)

(LCS) R3734712-2 11/27/21 09:55

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3734711-1 11/27/21 09:41

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1435315-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1435315-01 11/27/21 09:41 • (DUP) R3734711-3 11/27/21 09:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.6	79.0	1	2.04		10

Laboratory Control Sample (LCS)

(LCS) R3734711-2 11/27/21 09:41

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3735076-3 11/28/21 11:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.913	1.25
Acrylonitrile	U		0.0903	0.313
Benzene	U		0.0117	0.0250
Bromobenzene	U		0.0225	0.313
Bromodichloromethane	U		0.0181	0.0625
Bromoform	U		0.0293	0.625
Bromomethane	U		0.0493	0.313
n-Butylbenzene	U		0.131	0.313
sec-Butylbenzene	U		0.0720	0.313
tert-Butylbenzene	U		0.0488	0.125
Carbon tetrachloride	U		0.0225	0.125
Chlorobenzene	U		0.00525	0.0625
Chlorodibromomethane	U		0.0153	0.0625
Chloroethane	U		0.0425	0.125
Chloroform	U		0.0258	0.0625
Chloromethane	U		0.109	0.313
2-Chlorotoluene	U		0.0216	0.0625
4-Chlorotoluene	U		0.0113	0.125
1,2-Dibromo-3-Chloropropane	U		0.0975	0.625
1,2-Dibromoethane	U		0.0162	0.0625
Dibromomethane	U		0.0188	0.125
1,2-Dichlorobenzene	U		0.0106	0.125
1,3-Dichlorobenzene	U		0.0150	0.125
1,4-Dichlorobenzene	U		0.0175	0.125
Dichlorodifluoromethane	U		0.0403	0.0625
Dichlorofluoromethane	U		0.0313	0.0625
1,1-Dichloroethane	U		0.0123	0.0625
1,2-Dichloroethane	U		0.0162	0.0625
1,1-Dichloroethene	U		0.0152	0.0625
cis-1,2-Dichloroethene	U		0.0184	0.0625
trans-1,2-Dichloroethene	U		0.0260	0.125
1,2-Dichloropropane	U		0.0355	0.125
1,1-Dichloropropene	U		0.0202	0.0625
1,3-Dichloropropane	U		0.0125	0.125
cis-1,3-Dichloropropene	U		0.0189	0.0625
trans-1,3-Dichloropropene	U		0.0285	0.125
2,2-Dichloropropane	U		0.0345	0.0625
Di-isopropyl ether	U		0.0103	0.0250
Ethylbenzene	U		0.0184	0.0625
Ethyl ether	U		0.0223	0.0625

Method Blank (MB)

(MB) R3735076-3 11/28/21 11:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.150	0.625
2-Hexanone	U		0.0840	0.625
Isopropylbenzene	U		0.0106	0.0625
p-Isopropyltoluene	U		0.0638	0.125
2-Butanone (MEK)	U		1.59	2.50
Methylene Chloride	U		0.166	0.625
4-Methyl-2-pentanone (MIBK)	U		0.0570	0.625
Methyl tert-butyl ether	U		0.00875	0.0250
Naphthalene	U		0.122	0.313
n-Propylbenzene	U		0.0238	0.125
Styrene	U		0.00573	0.313
1,1,1,2-Tetrachloroethane	U		0.0237	0.0625
1,1,2,2-Tetrachloroethane	U		0.0174	0.0625
Tetrachloroethene	U		0.0224	0.0625
Tetrahydrofuran	U		0.0880	0.313
Toluene	U		0.0325	0.125
1,1,2-Trichlorotrifluoroethane	U		0.0189	0.0625
1,2,3-Trichlorobenzene	U		0.183	0.313
1,2,4-Trichlorobenzene	U		0.110	0.313
1,1,1-Trichloroethane	U		0.0231	0.0625
1,1,2-Trichloroethane	U		0.0149	0.0625
Trichloroethene	U		0.0146	0.0250
Trichlorofluoromethane	U		0.0207	0.0625
1,2,3-Trichloropropane	U		0.0405	0.313
1,2,3-Trimethylbenzene	U		0.0395	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Vinyl chloride	U		0.0290	0.0625
Xylenes, Total	U		0.0220	0.163
Allyl Chloride	U		0.100	0.625
(S) Toluene-d8	*102*			*75.0-131*
(S) 4-Bromofluorobenzene	*98.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3735076-1 11/28/21 10:35 • (LCSD) R3735076-2 11/28/21 10:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.508	0.711	81.3	114	30.0-160		J3	33.3	31
Acrylonitrile	0.625	0.528	0.716	84.5	115	45.0-153		J3	30.2	22
Benzene	0.125	0.116	0.120	92.8	96.0	70.0-123			3.39	20
Bromobenzene	0.125	0.125	0.132	100	106	73.0-121			5.45	20
Bromodichloromethane	0.125	0.120	0.126	96.0	101	73.0-121			4.88	20
Bromoform	0.125	0.113	0.121	90.4	96.8	64.0-132			6.84	20
Bromomethane	0.125	0.131	0.134	105	107	56.0-147			2.26	20
n-Butylbenzene	0.125	0.116	0.121	92.8	96.8	68.0-135			4.22	20
sec-Butylbenzene	0.125	0.117	0.120	93.6	96.0	74.0-130			2.53	20
tert-Butylbenzene	0.125	0.124	0.126	99.2	101	75.0-127			1.60	20
Carbon tetrachloride	0.125	0.135	0.144	108	115	66.0-128			6.45	20
Chlorobenzene	0.125	0.111	0.115	88.8	92.0	76.0-128			3.54	20
Chlorodibromomethane	0.125	0.107	0.113	85.6	90.4	74.0-127			5.45	20
Chloroethane	0.125	0.123	0.122	98.4	97.6	61.0-134			0.816	20
Chloroform	0.125	0.126	0.127	101	102	72.0-123			0.791	20
Chloromethane	0.125	0.127	0.130	102	104	51.0-138			2.33	20
2-Chlorotoluene	0.125	0.118	0.117	94.4	93.6	75.0-124			0.851	20
4-Chlorotoluene	0.125	0.112	0.117	89.6	93.6	75.0-124			4.37	20
1,2-Dibromo-3-Chloropropane	0.125	0.108	0.127	86.4	102	59.0-130			16.2	20
1,2-Dibromoethane	0.125	0.108	0.117	86.4	93.6	74.0-128			8.00	20
Dibromomethane	0.125	0.119	0.129	95.2	103	75.0-122			8.06	20
1,2-Dichlorobenzene	0.125	0.115	0.125	92.0	100	76.0-124			8.33	20
1,3-Dichlorobenzene	0.125	0.115	0.121	92.0	96.8	76.0-125			5.08	20
1,4-Dichlorobenzene	0.125	0.110	0.117	88.0	93.6	77.0-121			6.17	20
Dichlorodifluoromethane	0.125	0.134	0.139	107	111	43.0-156			3.66	20
Dichlorofluoromethane	0.125	0.135	0.138	108	110	65.0-137			2.20	20
1,1-Dichloroethane	0.125	0.124	0.127	99.2	102	70.0-127			2.39	20
1,2-Dichloroethane	0.125	0.131	0.138	105	110	65.0-131			5.20	20
1,1-Dichloroethene	0.125	0.128	0.131	102	105	65.0-131			2.32	20
cis-1,2-Dichloroethene	0.125	0.116	0.123	92.8	98.4	73.0-125			5.86	20
trans-1,2-Dichloroethene	0.125	0.119	0.121	95.2	96.8	71.0-125			1.67	20
1,2-Dichloropropane	0.125	0.118	0.122	94.4	97.6	74.0-125			3.33	20
1,1-Dichloropropene	0.125	0.131	0.133	105	106	73.0-125			1.52	20
1,3-Dichloropropane	0.125	0.112	0.116	89.6	92.8	80.0-125			3.51	20
cis-1,3-Dichloropropene	0.125	0.123	0.124	98.4	99.2	76.0-127			0.810	20
trans-1,3-Dichloropropene	0.125	0.124	0.127	99.2	102	73.0-127			2.39	20
2,2-Dichloropropane	0.125	0.116	0.115	92.8	92.0	59.0-135			0.866	20
Di-isopropyl ether	0.125	0.120	0.124	96.0	99.2	60.0-136			3.28	20
Ethylbenzene	0.125	0.106	0.108	84.8	86.4	74.0-126			1.87	20
Ethyl ether	0.125	0.117	0.123	93.6	98.4	64.0-137			5.00	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3735076-1 11/28/21 10:35 • (LCSD) R3735076-2 11/28/21 10:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.125	0.179	0.190	143	152	57.0-150		J4	5.96	20
2-Hexanone	0.625	0.554	0.620	88.6	99.2	54.0-147			11.2	20
Isopropylbenzene	0.125	0.114	0.116	91.2	92.8	72.0-127			1.74	20
p-Isopropyltoluene	0.125	0.111	0.117	88.8	93.6	72.0-133			5.26	20
2-Butanone (MEK)	0.625	0.554	0.693	88.6	111	30.0-160			22.3	24
Methylene Chloride	0.125	0.124	0.130	99.2	104	68.0-123			4.72	20
4-Methyl-2-pentanone (MIBK)	0.625	0.562	0.630	89.9	101	56.0-143			11.4	20
Methyl tert-butyl ether	0.125	0.125	0.141	100	113	66.0-132			12.0	20
Naphthalene	0.125	0.122	0.128	97.6	102	59.0-130			4.80	20
n-Propylbenzene	0.125	0.119	0.122	95.2	97.6	74.0-126			2.49	20
Styrene	0.125	0.106	0.111	84.8	88.8	72.0-127			4.61	20
1,1,1,2-Tetrachloroethane	0.125	0.108	0.114	86.4	91.2	74.0-129			5.41	20
1,1,2,2-Tetrachloroethane	0.125	0.0998	0.109	79.8	87.2	68.0-128			8.81	20
Tetrachloroethene	0.125	0.129	0.135	103	108	70.0-136			4.55	20
Tetrahydrofuran	0.125	0.114	0.148	91.2	118	37.0-146		J3	26.0	24
Toluene	0.125	0.111	0.115	88.8	92.0	75.0-121			3.54	20
1,1,2-Trichlorotrifluoroethane	0.125	0.127	0.133	102	106	61.0-139			4.62	20
1,2,3-Trichlorobenzene	0.125	0.143	0.144	114	115	59.0-139			0.697	20
1,2,4-Trichlorobenzene	0.125	0.142	0.149	114	119	62.0-137			4.81	20
1,1,1-Trichloroethane	0.125	0.132	0.140	106	112	69.0-126			5.88	20
1,1,2-Trichloroethane	0.125	0.112	0.113	89.6	90.4	78.0-123			0.889	20
Trichloroethene	0.125	0.129	0.129	103	103	76.0-126			0.000	20
Trichlorofluoromethane	0.125	0.138	0.143	110	114	61.0-142			3.56	20
1,2,3-Trichloropropane	0.125	0.113	0.122	90.4	97.6	67.0-129			7.66	20
1,2,3-Trimethylbenzene	0.125	0.116	0.120	92.8	96.0	74.0-124			3.39	20
1,2,4-Trimethylbenzene	0.125	0.114	0.116	91.2	92.8	70.0-126			1.74	20
1,3,5-Trimethylbenzene	0.125	0.118	0.121	94.4	96.8	73.0-127			2.51	20
Vinyl chloride	0.125	0.139	0.136	111	109	63.0-134			2.18	20
Xylenes, Total	0.375	0.328	0.334	87.5	89.1	72.0-127			1.81	20
Allyl chloride	0.625	0.547	0.575	87.5	92.0	70.0-131			4.99	20
(S) Toluene-d8				*101*	*101*	*75.0-131*				
(S) 4-Bromofluorobenzene				*97.5*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*113*	*118*	*70.0-130*				

Method Blank (MB)

(MB) R3735529-3 11/30/21 12:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.913	1.25
Acrylonitrile	U		0.0903	0.313
Benzene	U		0.0117	0.0250
Bromobenzene	U		0.0225	0.313
Bromodichloromethane	U		0.0181	0.0625
Bromoform	U		0.0293	0.625
Bromomethane	U		0.0493	0.313
n-Butylbenzene	U		0.131	0.313
sec-Butylbenzene	U		0.0720	0.313
tert-Butylbenzene	U		0.0488	0.125
Carbon tetrachloride	U		0.0225	0.125
Chlorobenzene	U		0.00525	0.0625
Chlorodibromomethane	U		0.0153	0.0625
Chloroethane	U		0.0425	0.125
Chloroform	U		0.0258	0.0625
Chloromethane	U		0.109	0.313
2-Chlorotoluene	U		0.0216	0.0625
4-Chlorotoluene	U		0.0113	0.125
1,2-Dibromo-3-Chloropropane	U		0.0975	0.625
1,2-Dibromoethane	U		0.0162	0.0625
Dibromomethane	U		0.0188	0.125
1,2-Dichlorobenzene	U		0.0106	0.125
1,3-Dichlorobenzene	U		0.0150	0.125
1,4-Dichlorobenzene	U		0.0175	0.125
Dichlorodifluoromethane	U		0.0403	0.0625
Dichlorofluoromethane	U		0.0313	0.0625
1,1-Dichloroethane	U		0.0123	0.0625
1,2-Dichloroethane	U		0.0162	0.0625
1,1-Dichloroethene	U		0.0152	0.0625
cis-1,2-Dichloroethene	U		0.0184	0.0625
trans-1,2-Dichloroethene	U		0.0260	0.125
1,2-Dichloropropane	U		0.0355	0.125
1,1-Dichloropropene	U		0.0202	0.0625
1,3-Dichloropropane	U		0.0125	0.125
cis-1,3-Dichloropropene	U		0.0189	0.0625
trans-1,3-Dichloropropene	U		0.0285	0.125
2,2-Dichloropropane	U		0.0345	0.0625
Di-isopropyl ether	U		0.0103	0.0250
Ethylbenzene	U		0.0184	0.0625
Ethyl ether	U		0.0223	0.0625

Method Blank (MB)

(MB) R3735529-3 11/30/21 12:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Hexachloro-1,3-butadiene	U		0.150	0.625
2-Hexanone	U		0.0840	0.625
Isopropylbenzene	U		0.0106	0.0625
p-Isopropyltoluene	U		0.0638	0.125
2-Butanone (MEK)	U		1.59	2.50
Methylene Chloride	U		0.166	0.625
4-Methyl-2-pentanone (MIBK)	U		0.0570	0.625
Methyl tert-butyl ether	U		0.00875	0.0250
Naphthalene	U		0.122	0.313
n-Propylbenzene	U		0.0238	0.125
Styrene	U		0.00573	0.313
1,1,1,2-Tetrachloroethane	U		0.0237	0.0625
1,1,2,2-Tetrachloroethane	U		0.0174	0.0625
Tetrachloroethene	U		0.0224	0.0625
Tetrahydrofuran	U		0.0880	0.313
Toluene	U		0.0325	0.125
1,1,2-Trichlorotrifluoroethane	U		0.0189	0.0625
1,2,3-Trichlorobenzene	U		0.183	0.313
1,2,4-Trichlorobenzene	U		0.110	0.313
1,1,1-Trichloroethane	U		0.0231	0.0625
1,1,2-Trichloroethane	U		0.0149	0.0625
Trichloroethene	U		0.0146	0.0250
Trichlorofluoromethane	U		0.0207	0.0625
1,2,3-Trichloropropane	U		0.0405	0.313
1,2,3-Trimethylbenzene	U		0.0395	0.125
1,2,4-Trimethylbenzene	U		0.0395	0.125
1,3,5-Trimethylbenzene	U		0.0500	0.125
Vinyl chloride	U		0.0290	0.0625
Xylenes, Total	U		0.0220	0.163
Allyl Chloride	U		0.100	0.625
(S) Toluene-d8	*94.7*			*75.0-131*
(S) 4-Bromofluorobenzene	*94.8*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*88.4*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3735529-1 11/30/21 10:50 • (LCSD) R3735529-2 11/30/21 11:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.441	0.541	70.6	86.6	30.0-160			20.4	31
Acrylonitrile	0.625	0.590	0.638	94.4	102	45.0-153			7.82	22
Benzene	0.125	0.112	0.118	89.6	94.4	70.0-123			5.22	20
Bromobenzene	0.125	0.123	0.112	98.4	89.6	73.0-121			9.36	20
Bromodichloromethane	0.125	0.106	0.116	84.8	92.8	73.0-121			9.01	20
Bromoform	0.125	0.0932	0.113	74.6	90.4	64.0-132			19.2	20
Bromomethane	0.125	0.128	0.169	102	135	56.0-147		J3	27.6	20
n-Butylbenzene	0.125	0.123	0.121	98.4	96.8	68.0-135			1.64	20
sec-Butylbenzene	0.125	0.125	0.127	100	102	74.0-130			1.59	20
tert-Butylbenzene	0.125	0.117	0.120	93.6	96.0	75.0-127			2.53	20
Carbon tetrachloride	0.125	0.115	0.113	92.0	90.4	66.0-128			1.75	20
Chlorobenzene	0.125	0.112	0.114	89.6	91.2	76.0-128			1.77	20
Chlorodibromomethane	0.125	0.134	0.123	107	98.4	74.0-127			8.56	20
Chloroethane	0.125	0.118	0.146	94.4	117	61.0-134		J3	21.2	20
Chloroform	0.125	0.101	0.109	80.8	87.2	72.0-123			7.62	20
Chloromethane	0.125	0.101	0.121	80.8	96.8	51.0-138			18.0	20
2-Chlorotoluene	0.125	0.123	0.110	98.4	88.0	75.0-124			11.2	20
4-Chlorotoluene	0.125	0.122	0.123	97.6	98.4	75.0-124			0.816	20
1,2-Dibromo-3-Chloropropane	0.125	0.115	0.125	92.0	100	59.0-130			8.33	20
1,2-Dibromoethane	0.125	0.128	0.131	102	105	74.0-128			2.32	20
Dibromomethane	0.125	0.114	0.122	91.2	97.6	75.0-122			6.78	20
1,2-Dichlorobenzene	0.125	0.113	0.120	90.4	96.0	76.0-124			6.01	20
1,3-Dichlorobenzene	0.125	0.117	0.115	93.6	92.0	76.0-125			1.72	20
1,4-Dichlorobenzene	0.125	0.112	0.113	89.6	90.4	77.0-121			0.889	20
Dichlorodifluoromethane	0.125	0.0992	0.121	79.4	96.8	43.0-156			19.8	20
Dichlorofluoromethane	0.125	0.112	0.125	89.6	100	65.0-137			11.0	20
1,1-Dichloroethane	0.125	0.112	0.110	89.6	88.0	70.0-127			1.80	20
1,2-Dichloroethane	0.125	0.0995	0.115	79.6	92.0	65.0-131			14.5	20
1,1-Dichloroethene	0.125	0.105	0.110	84.0	88.0	65.0-131			4.65	20
cis-1,2-Dichloroethene	0.125	0.102	0.104	81.6	83.2	73.0-125			1.94	20
trans-1,2-Dichloroethene	0.125	0.109	0.114	87.2	91.2	71.0-125			4.48	20
1,2-Dichloropropane	0.125	0.128	0.129	102	103	74.0-125			0.778	20
1,1-Dichloropropene	0.125	0.117	0.117	93.6	93.6	73.0-125			0.000	20
1,3-Dichloropropane	0.125	0.140	0.131	112	105	80.0-125			6.64	20
cis-1,3-Dichloropropene	0.125	0.121	0.128	96.8	102	76.0-127			5.62	20
trans-1,3-Dichloropropene	0.125	0.158	0.127	126	102	73.0-127		J3	21.8	20
2,2-Dichloropropane	0.125	0.111	0.112	88.8	89.6	59.0-135			0.897	20
Di-isopropyl ether	0.125	0.110	0.113	88.0	90.4	60.0-136			2.69	20
Ethylbenzene	0.125	0.114	0.113	91.2	90.4	74.0-126			0.881	20
Ethyl ether	0.125	0.109	0.117	87.2	93.6	64.0-137			7.08	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3735529-1 11/30/21 10:50 • (LCSD) R3735529-2 11/30/21 11:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	0.125	0.120	0.135	96.0	108	57.0-150			11.8	20
2-Hexanone	0.625	0.679	0.660	109	106	54.0-147			2.84	20
Isopropylbenzene	0.125	0.100	0.114	80.0	91.2	72.0-127			13.1	20
p-Isopropyltoluene	0.125	0.119	0.119	95.2	95.2	72.0-133			0.000	20
2-Butanone (MEK)	0.625	0.686	0.653	110	104	30.0-160			4.93	24
Methylene Chloride	0.125	0.102	0.111	81.6	88.8	68.0-123			8.45	20
4-Methyl-2-pentanone (MIBK)	0.625	0.804	0.672	129	108	56.0-143			17.9	20
Methyl tert-butyl ether	0.125	0.116	0.122	92.8	97.6	66.0-132			5.04	20
Naphthalene	0.125	0.145	0.128	116	102	59.0-130			12.5	20
n-Propylbenzene	0.125	0.121	0.105	96.8	84.0	74.0-126			14.2	20
Styrene	0.125	0.100	0.115	80.0	92.0	72.0-127			14.0	20
1,1,1,2-Tetrachloroethane	0.125	0.113	0.122	90.4	97.6	74.0-129			7.66	20
1,1,2,2-Tetrachloroethane	0.125	0.118	0.105	94.4	84.0	68.0-128			11.7	20
Tetrachloroethene	0.125	0.142	0.121	114	96.8	70.0-136			16.0	20
Tetrahydrofuran	0.125	0.132	0.133	106	106	37.0-146			0.755	24
Toluene	0.125	0.130	0.127	104	102	75.0-121			2.33	20
1,1,2-Trichlorotrifluoroethane	0.125	0.114	0.118	91.2	94.4	61.0-139			3.45	20
1,2,3-Trichlorobenzene	0.125	0.116	0.0967	92.8	77.4	59.0-139			18.1	20
1,2,4-Trichlorobenzene	0.125	0.105	0.130	84.0	104	62.0-137		J3	21.3	20
1,1,1-Trichloroethane	0.125	0.105	0.111	84.0	88.8	69.0-126			5.56	20
1,1,2-Trichloroethane	0.125	0.147	0.128	118	102	78.0-123			13.8	20
Trichloroethene	0.125	0.110	0.121	88.0	96.8	76.0-126			9.52	20
Trichlorofluoromethane	0.125	0.105	0.120	84.0	96.0	61.0-142			13.3	20
1,2,3-Trichloropropane	0.125	0.123	0.114	98.4	91.2	67.0-129			7.59	20
1,2,3-Trimethylbenzene	0.125	0.120	0.119	96.0	95.2	74.0-124			0.837	20
1,2,4-Trimethylbenzene	0.125	0.124	0.126	99.2	101	70.0-126			1.60	20
1,3,5-Trimethylbenzene	0.125	0.124	0.104	99.2	83.2	73.0-127			17.5	20
Vinyl chloride	0.125	0.120	0.149	96.0	119	63.0-134		J3	21.6	20
Xylenes, Total	0.375	0.299	0.346	79.7	92.3	72.0-127			14.6	20
Allyl chloride	0.625	0.554	0.579	88.6	92.6	70.0-131			4.41	20
(S) Toluene-d8				*117*	*115*	*75.0-131*				
(S) 4-Bromofluorobenzene				*86.5*	*100*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*91.3*	*102*	*70.0-130*				

L1435520-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1435520-01 11/30/21 14:54 • (MS) R3735529-4 11/30/21 18:26 • (MSD) R3735529-5 11/30/21 18:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.779	U	U	U	7.01	39.0	1.02	10.0-160	J6	J3	139	40
Acrylonitrile	0.779	U	0.209	0.600	26.8	77.0	1.02	10.0-160		J3	96.7	40
Benzene	0.156	U	0.0714	0.162	45.7	104	1.02	10.0-149		J3	77.8	37
Bromobenzene	0.156	U	0.0710	0.203	45.4	130	1.02	10.0-156		J3	96.3	38
Bromodichloromethane	0.156	U	0.0614	0.183	39.3	117	1.02	10.0-143		J3	99.6	37
Bromoform	0.156	U	0.0542	0.162	34.7	104	1.02	10.0-146		J3	99.9	36
Bromomethane	0.156	U	0.108	0.221	69.1	141	1.02	10.0-149		J3	68.7	38
n-Butylbenzene	0.156	U	U	U	45.5	95.3	1.02	10.0-160		J3	70.8	40
sec-Butylbenzene	0.156	U	U	0.191	0.000	122	1.02	10.0-159	J6	J3	200	39
tert-Butylbenzene	0.156	U	0.0762	0.182	48.7	116	1.02	10.0-156		J3	81.9	39
Carbon tetrachloride	0.156	U	0.0713	0.161	45.6	103	1.02	10.0-145		J3	77.3	37
Chlorobenzene	0.156	U	0.0662	0.145	42.3	93.0	1.02	10.0-152		J3	74.8	39
Chlorodibromomethane	0.156	U	0.0651	0.175	41.6	112	1.02	10.0-146		J3	91.4	37
Chloroethane	0.156	U	0.0804	0.178	51.4	114	1.02	10.0-146		J3	75.7	40
Chloroform	0.156	U	0.0631	0.155	40.4	99.2	1.02	10.0-146		J3	84.3	37
Chloromethane	0.156	U	U	0.194	57.2	124	1.02	10.0-159		J3	73.9	37
2-Chlorotoluene	0.156	U	0.0685	0.193	43.8	123	1.02	10.0-159		J3	95.2	38
4-Chlorotoluene	0.156	U	0.0705	0.189	45.1	121	1.02	10.0-155		J3	91.5	39
1,2-Dibromo-3-Chloropropane	0.156	U	U	U	27.6	62.5	1.02	10.0-151		J3	77.5	39
1,2-Dibromoethane	0.156	U	0.0696	0.176	44.5	112	1.02	10.0-148		J3	86.6	34
Dibromomethane	0.156	U	0.0589	0.172	37.7	110	1.02	10.0-147		J3	98.1	35
1,2-Dichlorobenzene	0.156	U	0.0711	0.125	45.5	79.7	1.02	10.0-155		J3	54.7	37
1,3-Dichlorobenzene	0.156	U	0.0642	0.149	41.1	95.3	1.02	10.0-153		J3	79.5	38
1,4-Dichlorobenzene	0.156	U	0.0650	0.143	41.6	91.4	1.02	10.0-151		J3	75.0	38
Dichlorodifluoromethane	0.156	U	0.0623	0.159	39.8	102	1.02	10.0-160		J3	87.3	35
Dichlorofluoromethane	0.156	U	0.0904	0.197	57.8	126	1.02	10.0-160		J3	74.0	34
1,1-Dichloroethane	0.156	U	0.0680	0.159	43.5	102	1.02	10.0-147		J3	80.0	37
1,2-Dichloroethane	0.156	U	0.0569	0.137	36.4	87.5	1.02	10.0-148		J3	82.5	35
1,1-Dichloroethene	0.156	U	0.0735	0.164	47.0	105	1.02	10.0-155		J3	76.0	37
cis-1,2-Dichloroethene	0.156	U	0.0686	0.144	43.9	92.2	1.02	10.0-149		J3	71.0	37
trans-1,2-Dichloroethene	0.156	U	0.0633	0.150	40.5	96.1	1.02	10.0-150		J3	81.5	37
1,2-Dichloropropane	0.156	U	0.0739	0.206	47.3	132	1.02	10.0-148		J3	94.6	37
1,1-Dichloropropene	0.156	U	0.0722	0.172	46.2	110	1.02	10.0-153		J3	81.9	35
1,3-Dichloropropane	0.156	U	0.0739	0.186	47.3	119	1.02	10.0-154		J3	86.1	35
cis-1,3-Dichloropropene	0.156	U	0.0745	0.197	47.7	126	1.02	10.0-151		J3	90.1	37
trans-1,3-Dichloropropene	0.156	U	0.0756	0.191	48.4	122	1.02	10.0-148		J3	86.4	37
2,2-Dichloropropane	0.156	U	0.0535	0.112	34.2	71.9	1.02	10.0-138		J3	71.0	36
Di-isopropyl ether	0.156	U	0.0639	0.142	40.9	90.6	1.02	10.0-147		J3	75.7	36
Ethylbenzene	0.156	U	0.0730	0.154	46.7	98.4	1.02	10.0-160		J3	71.3	38

L1435520-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1435520-01 11/30/21 14:54 • (MS) R3735529-4 11/30/21 18:26 • (MSD) R3735529-5 11/30/21 18:44

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ethyl ether	0.156	U	0.0543	0.139	34.8	89.1	1.02	10.0-160		J3	87.7	31
Hexachloro-1,3-butadiene	0.156	U	U	0.192	53.9	123	1.02	10.0-160		J3	77.9	40
2-Hexanone	0.779	U	0.310	0.789	39.8	101	1.02	10.0-160		J3	87.1	36
Isopropylbenzene	0.156	U	0.0771	0.192	49.3	123	1.02	10.0-155		J3	85.3	38
p-Isopropyltoluene	0.156	U	0.0834	0.176	53.4	112	1.02	10.0-160		J3	71.3	40
2-Butanone (MEK)	0.779	U	U	U	43.3	80.3	1.02	10.0-160		J3	59.9	40
Methylene Chloride	0.156	U	U	U	43.9	54.6	1.02	10.0-141			21.7	37
4-Methyl-2-pentanone (MIBK)	0.779	U	0.316	0.817	40.6	105	1.02	10.0-160		J3	88.4	35
Methyl tert-butyl ether	0.156	U	0.0542	0.122	34.7	78.1	1.02	11.0-147		J3	77.0	35
Naphthalene	0.156	U	U	0.153	52.4	97.7	1.02	10.0-160		J3	60.3	36
n-Propylbenzene	0.156	U	0.0758	0.209	48.5	134	1.02	10.0-158		J3	93.4	38
Styrene	0.156	U	0.0635	0.194	40.6	124	1.02	10.0-160		J3	101	40
1,1,1,2-Tetrachloroethane	0.156	U	0.0634	0.142	40.5	90.6	1.02	10.0-149		J3	76.4	39
1,1,2,2-Tetrachloroethane	0.156	U	0.0646	0.181	41.3	116	1.02	10.0-160		J3	94.7	35
Tetrachloroethene	0.156	U	0.0701	0.170	44.8	109	1.02	10.0-156		J3	83.1	39
Tetrahydrofuran	0.156	U	U	U	25.7	63.7	1.02	10.0-158		J3	85.0	33
Toluene	0.156	U	0.0980	0.256	62.7	164	1.02	10.0-156		J3 J5	89.5	38
1,1,2-Trichlorotrifluoroethane	0.156	U	0.0603	0.131	38.6	83.6	1.02	10.0-160		J3	73.7	36
1,2,3-Trichlorobenzene	0.156	U	U	U	39.6	83.6	1.02	10.0-160		J3	71.4	40
1,2,4-Trichlorobenzene	0.156	U	U	0.137	38.3	87.5	1.02	10.0-160		J3	78.3	40
1,1,1-Trichloroethane	0.156	0.0383	0.0785	0.172	25.7	85.6	1.02	10.0-144		J3	74.7	35
1,1,2-Trichloroethane	0.156	U	0.0713	0.188	45.6	120	1.02	10.0-160		J3	90.0	35
Trichloroethene	0.156	0.497	0.332	0.420	0.000	0.000	1.02	10.0-156	J6	J6	23.4	38
Trichlorofluoromethane	0.156	U	0.0661	0.177	42.3	113	1.02	10.0-160		J3	91.3	40
1,2,3-Trichloropropane	0.156	U	0.0631	0.180	40.4	115	1.02	10.0-156		J3	95.9	35
1,2,3-Trimethylbenzene	0.156	U	0.0762	0.159	48.7	102	1.02	10.0-160		J3	70.3	36
1,2,4-Trimethylbenzene	0.156	U	0.0851	0.189	54.5	121	1.02	10.0-160		J3	75.9	36
1,3,5-Trimethylbenzene	0.156	U	0.0767	0.197	49.1	126	1.02	10.0-160		J3	87.8	38
Vinyl chloride	0.156	U	0.103	0.226	66.2	145	1.02	10.0-160		J3	74.4	37
Xylenes, Total	0.468	0.0589	0.216	0.530	33.6	101	1.02	10.0-160		J3	84.1	38
Allyl chloride	0.779	U	0.324	0.734	41.5	94.2	1.02	10.0-160		J3	77.6	30
(S) Toluene-d8					*115*	*145*		*75.0-131*		J1		
(S) 4-Bromofluorobenzene					*121*	*131*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*92.6*	*102*		*70.0-130*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
C4	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Data is likely to show a low bias concerning the result.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.

GLOSSARY OF TERMS

Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
UPRR - Golder Associates

2201 Double Creek Dr., Ste 4004
Round Rock, TX 78664

Billing Information:
Kevin Peterburs
4823 N 119th Street
Milwaukee, WI 53225

Pres Chk

Report to:
Matthew Wilson

Email To:
mjwilson@golder.com;Matthew_Wilson2@gold

Project Description:
Cudahy WI-Superior Health Linens

City/State Collected: Cudahy / WI

Please Circle: PT MT (CT) ET

Phone: 262-212-4727

Client Project #
2812

Lab Project #
UPRRGOLD-2812

Collected by (print):
Brian Folta

Site/Facility ID #
SUPPLEMENTARY

P.O. #

Collected by (signature):
Brian Folta

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260/465 60mlAmb/MeOH/Syr	Remarks	Sample # (lab only)
SO-2812-HA22(1-2)-231121	Grab	SS	1-2'	11-23-21	10:26	2	X	X		-01
SQ-2812-HA22 DUP-231121	Grab	SS	1-2'	11-23-21	10:26	2	X	X		-02
SO-2812-HA22(3-4)-231121	Grab	SS	3-4'	11-23-21	10:43	2	X	X		-03
SO-2812-HA23(1-2)-231121	Grab	SS	1-2'	11-23-21	10:51	2	X	X		-04
SO-2812-HA23(3-4)-231121	Grab	SS	3-4'	11-23-21	10:58	2	X	X		-05
SO-2812-HA24(1-2)-231121	Grab	SS	1-2'	11-23-21	1110	2	X	X		-06
SO-2812-HA24(3-4)-231121	Grab	SS	3-4'	11-23-21	11:24	2	X	X		-07
SO-2812-HA25(1-2)-231121	Grab	SS	1-2'	11-23-21	11:28	2	X	X		-08
SO-2812-HA25(3-4)-231121	Grab	SS	3-4'	11-23-21	11:35	2	X	X		-09
		SS								

Chain of Custody Page 1 of 2

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 1435520

J055

Acctnum: UPRRGOLD

Template: T199385

Prelogin: P888791

PM: 134 - Mark W. Beasley

PB: 11/19/21

Shipped Via: FedEX Priority

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeOH TBR	If preservation required by Login: Date/Time
	11/23/21	1445		2	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.6 °C Bottles Received: 34	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/24/21 Time: 1330	Hold: / Condition: NCF / OK

Company Name/Address:
UPRR - Golder Associates

2201 Double Creek Dr., Ste 4004
Round Rock, TX 78664

Billing Information:
Kevin Peterburs
4823 N 119th Street
Milwaukee, WI 53225

Report to:
Matthew Wilson

Email To:
mjwilson@golder.com;Matthew_Wilson2@gold

Project Description:
Cudahy WI-Superior Health Linens

City/State Collected: Cudahy / WI

Please Circle: PT MT (CT) ET

Phone: **262-212-4727**

Client Project #
2812

Lab Project #
UPRRGOLD-2812

Collected by (print):
Brian Folta

Site/Facility ID #
SUPPLEMENTARY

P.O. #

Collected by (signature):
Brian Folta

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

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SDG # 1435520

Table #

Acctnum: **UPRRGOLD**

Template: **T199385**

Prelogin: **P888791**

PM: **134 - Mark W. Beasley**

PB: CB 11/19/21

Shipped Via: **FedEX Priority**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TS 4ozClr-NoPres	V8260/465 60mlAmb/MeOH/Syr	Remarks	Sample # (lab only)
SO-2812-HA26(1-2)-231121	Grab	SS	1-2'	11-23-21	11:50	2	X	X		-180
SO-2812-HA26(3-4)-231121	Grab	SS	3-4'	11-23-21	11:50	2	X	X		-181
SO-2812-HA27(1-2)-231121	Grab	SS	1-2'	11-23-21	12:06	2	X	X		-182
SO-2812-HA27(3-4)-231121	Grab	SS	3-4'	11-23-21	12:15	2	X	X		-183
SQ-2812-TB1-231121		SS								-184
SQ-2812-MSMSD-231121	Grab	SS	1-2'	11-23-21	10:26	4	X	X		
SO-2812-HA28(1-2)-231121	Grab	SS	1-2'	11-23-21	12:23	2	X	X		-185
SO-2812-HA28(3-4)-231121	Grab	SS	3-4'	11-23-21	1227	2	X	X		-186
		SS								
		SS								

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	11/23	1445		12 11/24
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
				2.6 1654
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				11/24/21 0915 1530 11/24

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

ANALYTICAL REPORT

December 20, 2021

UPRR - Golder Associates

Sample Delivery Group:	L1441554
Samples Received:	12/13/2021
Project Number:	2812
Description:	Cudahy WI-Superior Health Linens

Report To: Matthew Wilson
2201 Double Creek Dr., Ste 4004
Round Rock, TX 78664

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

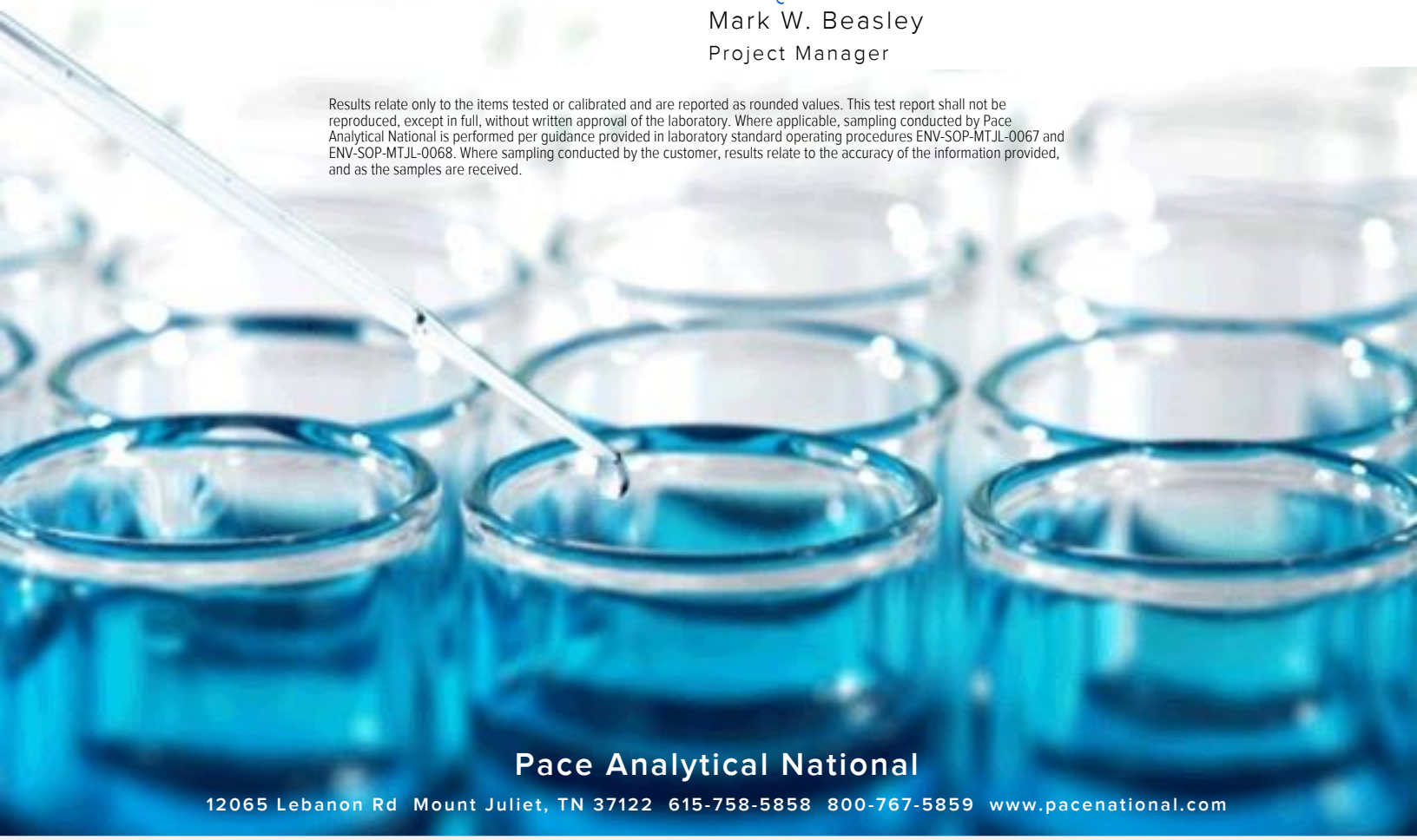

TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Tr: TRRP Summary 5

TRRP form R 6

TRRP form S 7

TRRP Exception Reports 8

Sr: Sample Results 9

SQ-2812-WC-20211210 L1441554-01 9

Qc: Quality Control Summary 10

Volatile Organic Compounds (GC/MS) by Method 8260D 10

Gl: Glossary of Terms 12

Al: Accreditations & Locations 13

Sc: Sample Chain of Custody 14

SAMPLE SUMMARY

SQ-2812-WC-20211210 L1441554-01 Waste

Collected by: Brian Folta
Collected date/time: 12/10/21 10:30
Received date/time: 12/13/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1790969	1	12/17/21 15:44	12/17/21 15:44	TDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1791711	1	12/19/21 02:23	12/19/21 02:23	JHH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

R1 - Field chain-of-custody documentation;

R2 - Sample identification cross-reference;

R3 - Test reports (analytical data sheets) for each environmental sample that includes:

a. Items consistent with NELAC Chapter 5,

b. dilution factors,

c. preparation methods,

d. cleanup methods, and

e. if required for the project, tentatively identified compounds (TICs).

R4 - Surrogate recovery data including:

a. Calculated recovery (%R), and

b. The laboratory's surrogate QC limits.

R5 - Test reports/summary forms for blank samples;

R6 - Test reports/summary forms for laboratory control samples (LCSs) including:

a. LCS spiking amounts,

b. Calculated %R for each analyte, and

c. The laboratory's LCS QC limits.

R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a. Samples associated with the MS/MSD clearly identified,

b. MS/MSD spiking amounts,

c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,

d. Calculated %Rs and relative percent differences (RPDs), and

e. The laboratory's MS/MSD QC limits

R8 - Laboratory analytical duplicate (if applicable) recovery and precision:

a. The amount of analyte measured in the duplicate,

b. The calculated RPD, and

c. The laboratory's QC limits for analytical duplicates.

R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National	LRC Date: 12/20/2021 14:22
Project Name: Cudahy WI-Superior Health Linens	Laboratory Job Number: L1441554-01
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1791711 and WG1790969

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 12/20/2021 14:22
Project Name: Cudahy WI-Superior Health Linens	Laboratory Job Number: L1441554-01
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1791711 and WG1790969

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 12/20/2021 14:22
Project Name: Cudahy WI-Superior Health Linens	Laboratory Job Number: L1441554-01
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1791711 and WG1790969

ER #[1]	Description
	The Exception Report intentionally left blank, there are no exceptions applied to this SDG.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP ZHE Extraction	-		12/17/2021 3:44:30 PM	WG1790969

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result mg/l	Qualifier	MQL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.0500	0.50	1	12/19/2021 02:23	WG1791711
Carbon tetrachloride	ND		0.0500	0.50	1	12/19/2021 02:23	WG1791711
Chlorobenzene	ND		0.0500	100	1	12/19/2021 02:23	WG1791711
Chloroform	ND		0.250	6	1	12/19/2021 02:23	WG1791711
1,2-Dichloroethane	ND		0.0500	0.50	1	12/19/2021 02:23	WG1791711
1,4-Dichlorobenzene	ND		0.0500	0.50	1	12/19/2021 02:23	WG1791711
1,1-Dichloroethene	ND		0.0500	0.70	1	12/19/2021 02:23	WG1791711
2-Butanone (MEK)	ND		0.500	200	1	12/19/2021 02:23	WG1791711
Tetrachloroethene	ND		0.0500	0.70	1	12/19/2021 02:23	WG1791711
Trichloroethene	ND		0.0500	0.50	1	12/19/2021 02:23	WG1791711
Vinyl chloride	ND		0.0500	0.20	1	12/19/2021 02:23	WG1791711
(S) Toluene-d8	*104*		*80.0-120*			*12/19/2021 02:23*	WG1791711
(S) 4-Bromofluorobenzene	*103*		*77.0-126*			*12/19/2021 02:23*	WG1791711
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*			*12/19/2021 02:23*	WG1791711

Method Blank (MB)

(MB) R3742426-3 12/19/21 01:26

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0150	0.0500
Carbon tetrachloride	U		0.0150	0.0500
Chlorobenzene	U		0.0150	0.0500
Chloroform	U		0.0750	0.250
1,2-Dichloroethane	U		0.0150	0.0500
1,1-Dichloroethene	U		0.0150	0.0500
2-Butanone (MEK)	U		0.150	0.500
Tetrachloroethene	U		0.0150	0.0500
Trichloroethene	U		0.0150	0.0500
Vinyl chloride	U		0.0150	0.0500
1,4-Dichlorobenzene	U		0.0150	0.0500
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3742426-1 12/18/21 23:05 • (LCSD) R3742426-2 12/18/21 23:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.250	0.257	0.267	103	107	70.0-123			3.82	20
Carbon tetrachloride	0.250	0.248	0.277	99.2	111	68.0-126			11.0	20
Chlorobenzene	0.250	0.229	0.235	91.6	94.0	80.0-121			2.59	20
Chloroform	0.250	0.284	0.290	114	116	73.0-120			2.09	20
1,2-Dichloroethane	0.250	0.262	0.269	105	108	70.0-128			2.64	20
1,1-Dichloroethene	0.250	0.290	0.307	116	123	71.0-124			5.70	20
2-Butanone (MEK)	1.25	1.57	1.56	126	125	44.0-160			0.639	20
Tetrachloroethene	0.250	0.237	0.254	94.8	102	72.0-132			6.92	20
Trichloroethene	0.250	0.258	0.275	103	110	78.0-124			6.38	20
Vinyl chloride	0.250	0.228	0.248	91.2	99.2	67.0-131			8.40	20
1,4-Dichlorobenzene	0.250	0.201	0.208	80.4	83.2	79.0-120			3.42	20
(S) Toluene-d8				*103*	*101*	*80.0-120*				
(S) 4-Bromofluorobenzene				*101*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*102*	*102*	*70.0-130*				

L1433624-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1433624-02 12/19/21 01:45 • (MS) R3742426-4 12/19/21 07:48 • (MSD) R3742426-5 12/19/21 08:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.250	ND	0.280	0.251	112	100	1	17.0-158			10.9	27
Carbon tetrachloride	0.250	ND	0.298	0.265	119	106	1	23.0-159			11.7	28
Chlorobenzene	0.250	ND	0.254	0.225	102	90.0	1	33.0-152			12.1	27
Chloroform	0.250	ND	0.322	0.281	129	112	1	29.0-154			13.6	28
1,2-Dichloroethane	0.250	ND	0.284	0.247	114	98.8	1	29.0-151			13.9	27
1,1-Dichloroethene	0.250	ND	0.326	0.285	130	114	1	11.0-160			13.4	29
2-Butanone (MEK)	1.25	ND	1.70	1.56	136	125	1	10.0-160			8.59	32
Tetrachloroethene	0.250	ND	0.256	0.230	102	92.0	1	10.0-160			10.7	27
Trichloroethene	0.250	ND	0.278	0.257	111	103	1	10.0-160			7.85	25
Vinyl chloride	0.250	ND	0.255	0.229	102	91.6	1	10.0-160			10.7	27
1,4-Dichlorobenzene	0.250	ND	0.227	0.204	90.8	81.6	1	35.0-142			10.7	27
(S) Toluene-d8					*100*	*101*		*80.0-120*				
(S) 4-Bromofluorobenzene					*104*	*100*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*102*	*101*		*70.0-130*				

L1441298-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L1441298-02 12/19/21 03:39 • (MS) R3742426-6 12/19/21 08:26

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Benzene	0.250	ND	0.283	113	1	17.0-158	
Carbon tetrachloride	0.250	ND	0.295	118	1	23.0-159	
Chlorobenzene	0.250	ND	0.255	102	1	33.0-152	
Chloroform	0.250	ND	0.317	127	1	29.0-154	
1,2-Dichloroethane	0.250	ND	0.286	114	1	29.0-151	
1,1-Dichloroethene	0.250	ND	0.328	131	1	11.0-160	
2-Butanone (MEK)	1.25	ND	1.80	144	1	10.0-160	
Tetrachloroethene	0.250	ND	0.266	106	1	10.0-160	
Trichloroethene	0.250	ND	0.300	120	1	10.0-160	
Vinyl chloride	0.250	ND	0.245	98.0	1	10.0-160	
1,4-Dichlorobenzene	0.250	ND	0.229	91.6	1	35.0-142	
(S) Toluene-d8				*102*		*80.0-120*	
(S) 4-Bromofluorobenzene				*101*		*77.0-126*	
(S) 1,2-Dichloroethane-d4				*102*		*70.0-130*	

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
MQL	Method Quantitation Limit.
ND	Not detected at the Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier | Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
UPRR - Golder Associates

2201 Double Creek Dr., Ste 4004
Round Rock, TX 78664

Billing Information:
Kevin Peterburs
1400 Douglas St, Stop 1030
Omaha, NE 68179

Pres Chk

Report to:
Matthew Wilson

Email To:
mjwilson@golder.com;ansel_chesney@golder.c

Project Description: Cudahy WI-Superior Heads Edgar WI-Denfeld Proposed Sale - Great Lakes Regio

City/State Collected: Cudahy / WI

Please Circle: PT MT CT ET

Phone: 281-350-7197

Client Project # ~~1384~~ 2812

Lab Project # UPRRGOLD-1384

Collected by (print): Brian Folta

Site/Facility ID # 9/27/2021 SAMPLING EVENT

P.O. # 20140391

Collected by (signature): Bria Folta

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
X Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Metals-As,Pb 4oz Cl- NoPres	TCLP/VOC								Remarks	Sample # (lab only)
SQ-2812-VvC-20211210	Comp	SS	0.5-1'	12/10/21	10:30	2		X									-01
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															
		SS															

Chain of Custody Page 1 of 1

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1441554

Table #

Acctnum: UPRRGOLD

Template: T196124

Prelogin: P876086

PM: 134 - Mark W. Beasley

PB: CF 9/23/21

Shipped Via: FedEX Priority

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature) Bria Folta	12/10/21	10:30	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR TDA3
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.0+0=1.0 °C Bottles Received: 2-4/32
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-13-21 Time: 1000

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK