



April 5, 2024

Ms. Dee Lance, Hydrogeologist
Wisconsin Department of Natural Resources
473 Griffith Avenue
Wisconsin Rapids, WI 54494

Re: Klismith Property (Former Newman Appraisal Service)
157 North Main Street
Amherst, Wisconsin
BRRTS No. 02-50-550910

Subject: Supplemental Data for Closure

Dear Ms. Lance:

In a letter dated November 20, 2023, the Wisconsin Department of Natural Resources (WDNR) did not recommend that the former Newman Appraisal Service site be closed. Additional requirements were specified, and they included:

- Additional sub-slab and indoor air sampling
- Additional soil sampling

The purpose of this letter is to present the results of the supplemental investigations and to request that the site be closed.

Vapor Sampling and Results

Two sub-slab vapor samples and one indoor ambient air sample were collected on February 21, 2024. The sub-slab vapor samples (SSV-201 and SSV-202) were collected using existing Vapor Pin sampling points and 1-liter Suma canisters. The Vapor Pin sample ports were connected with the Suma canisters via a leak-free sampling train and a 200-milliliter per minute (ml/min) regulator. Vapors were purged prior to sample collection to a constant reading on a hand-held photoionization detector (PID). The ambient air sample was collected in 6-liter Suma canister fitted with an 8-hour regulator located near the center of the office area. The sampling was performed in accordance with Sand County Environmental, Inc.'s (SCE) Standard Operating Procedures.

The sub-slab samples were collected without incidence, with stabilized PID readings of 0.2 instrument unit (iu) measured prior to sample collection, as compared with the ambient air reading of 0.1 iu. The regulator on the ambient air sample malfunctioned, resulting in the sample being collected over a duration of less than 5 minutes. As such, the ambient air sample is considered a "grab" sample, rather than a time-weighted average.

The vapor sample locations are indicated on **Figure 1**; the results are summarized on **Table 1**; the **laboratory report** and **field notes** are enclosed.

No substance detected in the sub-slab samples SV-201 and SSV-202 exceeded screening levels (e.g., tetrachloroethylene (PCE) = 211 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and $394 \mu\text{g}/\text{m}^3$ respectively; Residential Sub-slab Screening Level = $1,400 \mu\text{g}/\text{m}^3$), and no substance detected in the ambient air sample exceeded action levels (e.g., PCE = $2.28 \mu\text{g}/\text{m}^3$; Residential Indoor Air Action Level = $42 \mu\text{g}/\text{m}^3$).

Soil Sampling and Results

Two soil samples were collected from the off-site location where PCE had been detected in a previous soil sample. The samples were collected using a shovel and hand auger. The sampling was performed in accordance with SCE's Standard Operating Procedures.

The location of the soil samples is indicated on **Figure 2**; the results are summarized on **Table 2**; the **laboratory report** and **field notes** are enclosed.

No PCE, nor any volatile organic compound, was detected in either sample.

Request for Closure

The supplemental monitoring data that is presented herein indicates that residual contamination at the Site is below action levels. Therefore, we ask that the WDNR reconsider closure of the Klismith Property (former Newman Appraisal Service) Site.

If you have questions regarding the supplemental data, please contact me at 715.824.5169 or pete.arntsen@sandcountyenv.com.

Sincerely,
SAND COUNTY ENVIRONMENTAL, INC.



Pete Arntsen, MS, PH, PG
Senior Hydrogeologist/Project Manager

Via email

Enclosures: Tables 1 and 2
Figures 1 and 2
Laboratory Reports
Field Notes

cc/enc: Mr. Tom Klismith, via email
Mr. Matthew Thompson/WDNR, via email
WDNR R&R Submittal Portal

Tables

Table 1 **Vapor Sample Results**

Table 2 **Soil Analysis Results**

Table 1
Vapor Sample Results
Klismith Property (Former Newman Appraisal Service)
157 North Main Street
Amherst, Wisconsin

Sample ID	Date	Tetrachloroethene µg/m ³	Trichloroethene µg/m ³	Chloromethane µg/m ³	Dichlorodifluoromethane µg/m ³	Trichlorofluoromethane µg/m ³	Methylene Chloride µg/m ³
Sub-Slab Vapor Screening Levels¹							
	Non-Residential	6,000	290	13,000	15,000	--	87,000
	Residential	<i>1,400</i>	<i>70</i>	<i>3,100</i>	<i>3,330</i>	--	<i>21,000</i>
Vapor 1	4/22/2009	13,100	<	<	<	<	<
SSV 201	9/28/2021	39.6	<0.28	<0.12	2.8	1.5 ^J	<0.85
	12/23/2021	41.6	<0.28	0.42 ^J	2.5	<0.33	<0.84
	6/10/2022	38.6	0.51 ^J	--	1.8	1.2 ^J	<0.87
	11/28/2022	43.2	<0.44	0.28 ^J	2.3	1.3 ^J	0.33 ^J
	2/1/2023	35.1	2.8	0.58 ^J	2.4	1.4 ^J	<0.21
	2/21/2024	211	<1.22	<0.708	<2.26	<1.53	<1.13
SSV 202	9/28/2021	64.9	<0.28	0.22 ^J	2.5	1.4 ^J	<0.85
	12/23/2021	58.2	<0.28	<0.12	2.5	<0.33	<0.84
	6/10/2022	93.3	0.33 ^J	--	1.8	1.2 ^J	<0.84
	11/28/2022	619	<0.42	0.48 ^J	2.4	1.2 ^J	0.22 ^J
	2/1/2023	865	<0.42	<0.15	2.4	1.3 ^J	<0.22
	2/21/2024	394	<1.22	0.713	<2.26	1.94	7.19
Indoor Air Vapor Action Levels²							
	Non-Residential	180	8.8	390	440	--	2,600
	Residential	42	2.1	94	100	--	630
System Exhaust	5/21/2019	2.2	1.2	0.53 ^J	2.0	1.3 ^J	85.7
Office Ambient	2/21/2024	2.28	<1.22	0.762	<2.26	<1.53	<1.13

Notes

- µg/m³ Micrograms per cubic meter
- < Less than the method detection limit, with a dilution factor of 56.65
- No screening level
- 7.6** Bold result exceeds a Non-Residential Action Level or Screening Level
- 1.8* Italic result exceeds a Residential Action Level or Screening Level
- J Concentration is estimated; below quantitation limit

¹ Screening level for Residential/Small Commercial Buildings (dilution factor of 33.3)

² Vapor Action Levels obtained from the Indoor Air Vapor Action Levels for Various VOCs Quick Look-up Table Based on November 2017 Regional Screening Level Summary Table [http://dnr.wi.gov/topic/Brownfields/documents/vapor/vapor-quick.pdf]

Table 2
Soil Analysis Results
Klismith Property (Former Newman Appraisal Service)
157 North Main Street
Amherst, Wisconsin

			Acetone (µg/kg)	Methylene Chloride (µg/kg)	Tetrachloroethene (µg/kg)	Trichloroethene (µg/kg)	Toluene (µg/kg)
<i>Non-Industrial Direct Contact RCL</i>			63,400	62	33,000	1,300	818,000
<i>Industrial Direct Contact RCL</i>			100,000	1,150	145,000	8,410	818,000
<i>Groundwater Pathway RCL</i>			3,677	2.6	4.5	3.6	1,107
Location	Depth (Feet)	Date					
B-2	3-4	12/27/2007	340	61	<	<	<
	7-8		840	80	<	<	<
B-3	3-4	12/27/2007	860	93	<	<	<
	7-8		320	92	<	<	<
B-4	3-4	4/20/2009	--	<	<	<	<
	11-12		--	<	<	<	<
B-5	3-4	4/20/2009	--	<	<	<	<
	10-11		--	<	<	<	<
B-6	3-4	4/20/2009	--	<	<	<	<
	10-11		--	<	<	<	<
B-7	3-4	4/20/2009	--	<	480	<	44
	11-12		--	<	<	<	<
PZ-1	3-4	4/20/2009	--	<	<	<	<
	8.5-9.5		--	<	<	<	<
MW-2	3-4	4/20/2009	--	<	61	<	<
	15-16		--	<	<	<	<
SS-301	2	11/28/2022	--	<16.9	51.4J	<22.8	<15.4
SS-302	2	11/28/2022	--	<18.0	<25.2	<24.3	<16.4
SS-402	3	3/15/2024	--	<16.3	<22.8	<22.0	<14.8
	4	3/15/2024	--	<16.2	<22.6	<21.8	<14.7

Notes

- (µg/kg) micrograms per kilogram
- RCL NR 720 Residual Contaminant Level
- < Less than the method detection limit
- Not analyzed
- 7.6** **Bold** result exceeds a Direct-Contact RCL
- 1.8* *Italic* result exceeds a Groundwater Pathway RCL
- J Concentration is estimated; below quantitation limit

Only analytes detected in the laboratory are listed

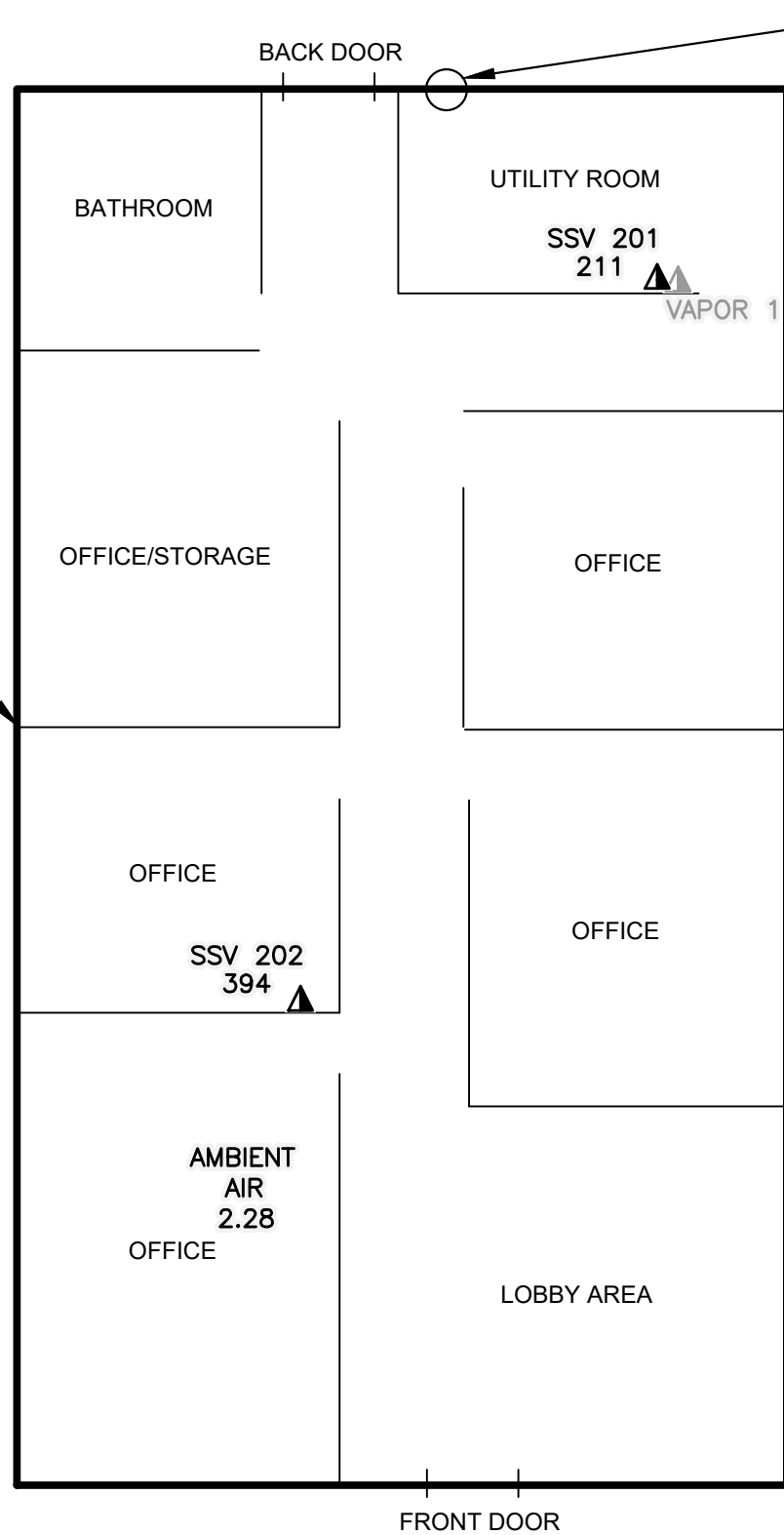
O:\1-Projects\Klismith 157 Main St Amherst\Data\[MASTER SCE Klismith data.xlsx]Soil RsIts

Figures

- Figure 1** **Vapor Sample Locations and Results February 2024**
- Figure 2** **Soil Sample Locations and Results**

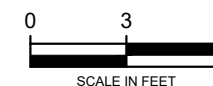


FORMER NEWMAN APPRAISAL SERVICES BUILDING



LEGEND

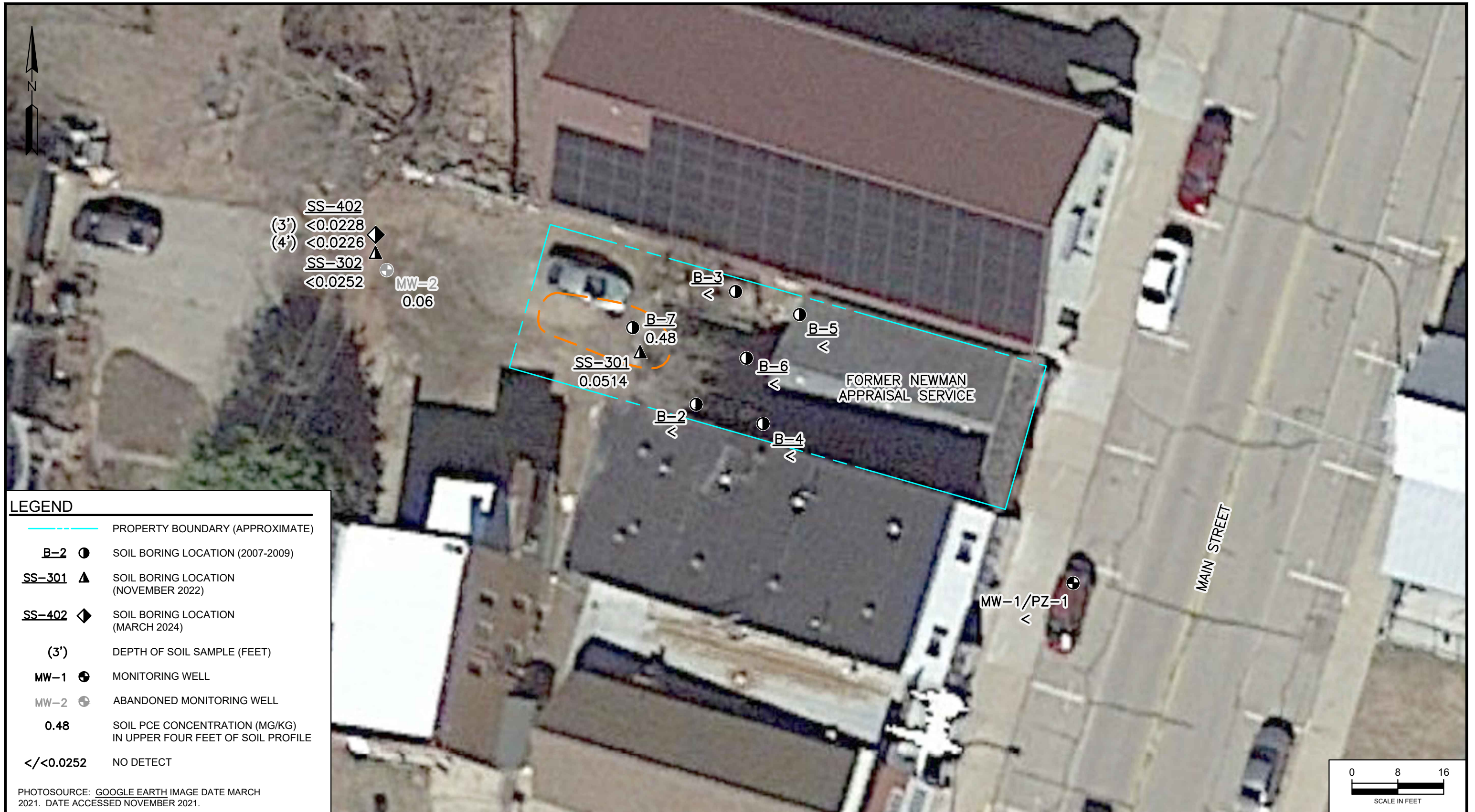
- SSV 201 ▲ VAPOR SAMPLE LOCATION
- VAPOR 1 ▲ HISTORICAL VAPOR SAMPLE LOCATION
- 41.6 PCE CONCENTRATION (UG/M³)
FEBRUARY 2024



VAPOR SAMPLE
LOCATIONS AND RESULTS
FEBRUARY 2024

FORMER NEWMAN APPRAISAL SERVICE
157 NORTH MAIN STREET
AMHERST, WISCONSIN

DATE:	MARCH 2024
SCALE:	1"=6'
DRAWN BY:	NG
APPROVED:	PA
FIGURE 1	



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- B-2** ● SOIL BORING LOCATION (2007-2009)
- SS-301** ▲ SOIL BORING LOCATION (NOVEMBER 2022)
- SS-402** ◆ SOIL BORING LOCATION (MARCH 2024)
- (3')** DEPTH OF SOIL SAMPLE (FEET)
- MW-1** ⊕ MONITORING WELL
- MW-2** ⊕ ABANDONED MONITORING WELL
- 0.48** SOIL PCE CONCENTRATION (MG/KG) IN UPPER FOUR FEET OF SOIL PROFILE
- </>0.0252** NO DETECT

PHOTOSOURCE: GOOGLE EARTH IMAGE DATE MARCH 2021. DATE ACCESSED NOVEMBER 2021.



SOIL SAMPLE LOCATIONS AND RESULTS

FORMER NEWMAN APPRAISAL SERVICE
157 NORTH MAIN STREET
AMHERST, WISCONSIN

0 8 16
SCALE IN FEET
DATE: MARCH 2024
SCALE: 1"=16'
DRAWN BY: NG
APPROVED: PA
FIGURE 2

Laboratory Reports

Sand County Environmental

Sample Delivery Group: L1710008
Samples Received: 02/28/2024
Project Number:
Description: Klismith

Report To: Ken Ebbott
PO Box 218
Amherst, WI 54406

Entire Report Reviewed By:



Jennifer A McCurdy
Project Manager

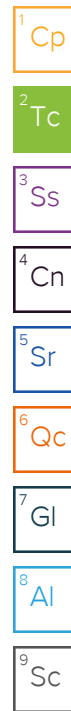
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory 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.

Pace Analytical National

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

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SAMPLE SUMMARY

AMBIENT AIR L1710008-01 Air

Collected by
Nichole Good

Collected date/time
02/21/24 10:33

Received date/time
02/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238207	1	03/02/24 19:09	03/02/24 19:09	SDS	Mt. Juliet, TN

¹ Cp

² Tc

SSV-201 L1710008-02 Air

Collected by
Nichole Good

Collected date/time
02/21/24 10:16

Received date/time
02/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238207	1	03/02/24 19:37	03/02/24 19:37	SDS	Mt. Juliet, TN

³ Ss

⁴ Cn

⁵ Sr

SSV-202 L1710008-03 Air

Collected by
Nichole Good

Collected date/time
02/21/24 09:35

Received date/time
02/28/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2238207	1	03/02/24 20:05	03/02/24 20:05	SDS	Mt. Juliet, TN

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.



Jennifer A McCurdy
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

AMBIENT AIR

SAMPLE RESULTS - 01

Collected date/time: 02/21/24 10:33

L1710008

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	7.43	17.7		1	WG2238207
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2238207
Benzene	71-43-2	78.10	0.238	0.760	0.379	1.21		1	WG2238207
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2238207
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2238207
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2238207
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2238207
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2238207
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2238207
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2238207
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2238207
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2238207
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2238207
Chloromethane	74-87-3	50.50	0.343	0.708	0.369	0.762		1	WG2238207
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2238207
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2238207
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2238207
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2238207
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2238207
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2238207
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2238207
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2238207
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2238207
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2238207
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2238207
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2238207
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2238207
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2238207
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2238207
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2238207
Ethanol	64-17-5	46.10	0.883	1.66	45.5	85.8		1	WG2238207
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2238207
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2238207
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2238207
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	ND	ND		1	WG2238207
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2238207
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2238207
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2238207
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2238207
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2238207
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2238207
Methylene Chloride	75-09-2	84.90	0.326	1.13	ND	ND		1	WG2238207
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2238207
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	0.372	1.10		1	WG2238207
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2238207
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2238207
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2238207
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2238207
2-Propanol	67-63-0	60.10	0.880	2.16	1.93	4.74		1	WG2238207
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2238207
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2238207
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2238207
Tetrachloroethylene	127-18-4	166	0.271	1.84	0.336	2.28		1	WG2238207
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	0.303	0.894		1	WG2238207
Toluene	108-88-3	92.10	0.290	1.09	0.769	2.90		1	WG2238207
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2238207

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

ACCOUNT:

Sand County Environmental

PROJECT:

SDG:

L1710008

DATE/TIME:

03/06/24 16:00

PAGE:

5 of 17

AMBIENT AIR

SAMPLE RESULTS - 01

Collected date/time: 02/21/24 10:33

L1710008

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2238207
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2238207
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2238207
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2238207
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2238207
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2238207
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2238207
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2238207
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2238207
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2238207
m&p-Xylene	179601-23-1	106	0.450	1.95	ND	ND		1	WG2238207
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2238207
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.2				WG2238207

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

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	5.00	11.9		1	WG2238207
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2238207
Benzene	71-43-2	78.10	0.238	0.760	0.250	0.799		1	WG2238207
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2238207
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2238207
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2238207
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2238207
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2238207
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2238207
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2238207
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2238207
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2238207
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2238207
Chloromethane	74-87-3	50.50	0.343	0.708	ND	ND		1	WG2238207
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2238207
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2238207
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2238207
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2238207
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2238207
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2238207
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2238207
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2238207
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2238207
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2238207
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2238207
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2238207
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2238207
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2238207
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2238207
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2238207
Ethanol	64-17-5	46.10	0.883	1.66	30.6	57.7		1	WG2238207
Ethylbenzene	100-41-4	106	0.278	1.21	0.287	1.24		1	WG2238207
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2238207
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	ND	ND		1	WG2238207
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	ND	ND		1	WG2238207
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2238207
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2238207
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2238207
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2238207
n-Hexane	110-54-3	86.20	0.687	2.42	ND	ND		1	WG2238207
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2238207
Methylene Chloride	75-09-2	84.90	0.326	1.13	ND	ND		1	WG2238207
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2238207
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.62	4.78		1	WG2238207
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2238207
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2238207
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2238207
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2238207
2-Propanol	67-63-0	60.10	0.880	2.16	3.06	7.52		1	WG2238207
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2238207
Styrene	100-42-5	104	0.263	1.12	0.414	1.76		1	WG2238207
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2238207
Tetrachloroethylene	127-18-4	166	0.271	1.84	31.1	211		1	WG2238207
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	0.472	1.39		1	WG2238207
Toluene	108-88-3	92.10	0.290	1.09	7.79	29.3		1	WG2238207
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2238207

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2238207
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2238207
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2238207
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2238207
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2238207
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2238207
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2238207
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2238207
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2238207
Xylenes, Total	1330-20-7	106.16	0.450	1.95	1.36	5.91		1	WG2238207
m&p-Xylene	179601-23-1	106	0.450	1.95	0.912	3.95		1	WG2238207
o-Xylene	95-47-6	106	0.276	1.20	0.447	1.94		1	WG2238207
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.7				WG2238207

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.95	4.63	6.21	14.8		1	WG2238207
Allyl chloride	107-05-1	76.53	0.380	1.19	ND	ND		1	WG2238207
Benzene	71-43-2	78.10	0.238	0.760	0.262	0.837		1	WG2238207
Benzyl Chloride	100-44-7	127	0.199	1.03	ND	ND		1	WG2238207
Bromodichloromethane	75-27-4	164	0.234	1.57	ND	ND		1	WG2238207
Bromoform	75-25-2	253	0.244	2.52	ND	ND		1	WG2238207
Bromomethane	74-83-9	94.90	0.327	1.27	ND	ND		1	WG2238207
1,3-Butadiene	106-99-0	54.10	0.347	0.768	ND	ND		1	WG2238207
Carbon disulfide	75-15-0	76.10	0.340	1.06	ND	ND		1	WG2238207
Carbon tetrachloride	56-23-5	154	0.244	1.54	ND	ND		1	WG2238207
Chlorobenzene	108-90-7	113	0.277	1.28	ND	ND		1	WG2238207
Chloroethane	75-00-3	64.50	0.332	0.876	ND	ND		1	WG2238207
Chloroform	67-66-3	119	0.239	1.16	ND	ND		1	WG2238207
Chloromethane	74-87-3	50.50	0.343	0.708	0.345	0.713		1	WG2238207
2-Chlorotoluene	95-49-8	126	0.276	1.42	ND	ND		1	WG2238207
Cyclohexane	110-82-7	84.20	0.251	0.864	ND	ND		1	WG2238207
Dibromochloromethane	124-48-1	208	0.242	2.06	ND	ND		1	WG2238207
1,2-Dibromoethane	106-93-4	188	0.240	1.85	ND	ND		1	WG2238207
1,2-Dichlorobenzene	95-50-1	147	0.427	2.57	ND	ND		1	WG2238207
1,3-Dichlorobenzene	541-73-1	147	0.607	3.65	ND	ND		1	WG2238207
1,4-Dichlorobenzene	106-46-7	147	0.186	1.12	ND	ND		1	WG2238207
1,2-Dichloroethane	107-06-2	99	0.233	0.943	ND	ND		1	WG2238207
1,1-Dichloroethane	75-34-3	98	0.241	0.966	ND	ND		1	WG2238207
1,1-Dichloroethene	75-35-4	96.90	0.254	1.01	ND	ND		1	WG2238207
cis-1,2-Dichloroethene	156-59-2	96.90	0.261	1.03	ND	ND		1	WG2238207
trans-1,2-Dichloroethene	156-60-5	96.90	0.224	0.888	ND	ND		1	WG2238207
1,2-Dichloropropane	78-87-5	113	0.253	1.17	ND	ND		1	WG2238207
cis-1,3-Dichloropropene	10061-01-5	111	0.230	1.04	ND	ND		1	WG2238207
trans-1,3-Dichloropropene	10061-02-6	111	0.243	1.10	ND	ND		1	WG2238207
1,4-Dioxane	123-91-1	88.10	0.278	1.00	ND	ND		1	WG2238207
Ethanol	64-17-5	46.10	0.883	1.66	69.9	132		1	WG2238207
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2238207
4-Ethyltoluene	622-96-8	120	0.261	1.28	ND	ND		1	WG2238207
Trichlorofluoromethane	75-69-4	137.40	0.273	1.53	0.345	1.94		1	WG2238207
Dichlorodifluoromethane	75-71-8	120.92	0.457	2.26	ND	ND		1	WG2238207
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.264	2.02	ND	ND		1	WG2238207
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.297	2.08	ND	ND		1	WG2238207
Heptane	142-82-5	100	0.347	1.42	ND	ND		1	WG2238207
Hexachloro-1,3-butadiene	87-68-3	261	0.350	3.74	ND	ND		1	WG2238207
n-Hexane	110-54-3	86.20	0.687	2.42	1.05	3.70		1	WG2238207
Isopropylbenzene	98-82-8	120.20	0.259	1.27	ND	ND		1	WG2238207
Methylene Chloride	75-09-2	84.90	0.326	1.13	2.07	7.19		1	WG2238207
Methyl Butyl Ketone	591-78-6	100	0.443	1.81	ND	ND		1	WG2238207
2-Butanone (MEK)	78-93-3	72.10	0.271	0.799	1.34	3.95		1	WG2238207
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	0.255	1.04	ND	ND		1	WG2238207
Methyl methacrylate	80-62-6	100.12	0.292	1.20	ND	ND		1	WG2238207
MTBE	1634-04-4	88.10	0.216	0.778	ND	ND		1	WG2238207
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2238207
2-Propanol	67-63-0	60.10	0.880	2.16	8.18	20.1		1	WG2238207
Propene	115-07-1	42.10	0.311	0.536	ND	ND		1	WG2238207
Styrene	100-42-5	104	0.263	1.12	0.392	1.67		1	WG2238207
1,1,2,2-Tetrachloroethane	79-34-5	168	0.248	1.70	ND	ND		1	WG2238207
Tetrachloroethylene	127-18-4	166	0.271	1.84	58.1	394		1	WG2238207
Tetrahydrofuran	109-99-9	72.10	0.245	0.722	0.317	0.935		1	WG2238207
Toluene	108-88-3	92.10	0.290	1.09	4.81	18.1		1	WG2238207
1,2,4-Trichlorobenzene	120-82-1	181	0.493	3.65	ND	ND		1	WG2238207

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.245	1.33	ND	ND		1	WG2238207
1,1,2-Trichloroethane	79-00-5	133	0.258	1.40	ND	ND		1	WG2238207
Trichloroethylene	79-01-6	131	0.227	1.22	ND	ND		1	WG2238207
1,2,4-Trimethylbenzene	95-63-6	120	0.255	1.25	ND	ND		1	WG2238207
1,3,5-Trimethylbenzene	108-67-8	120	0.260	1.28	ND	ND		1	WG2238207
2,2,4-Trimethylpentane	540-84-1	114.22	0.443	2.07	ND	ND		1	WG2238207
Vinyl chloride	75-01-4	62.50	0.316	0.808	ND	ND		1	WG2238207
Vinyl Bromide	593-60-2	106.95	0.284	1.24	ND	ND		1	WG2238207
Vinyl acetate	108-05-4	86.10	0.387	1.36	ND	ND		1	WG2238207
Xylenes, Total	1330-20-7	106.16	0.450	1.95	0.881	3.83		1	WG2238207
m&p-Xylene	179601-23-1	106	0.450	1.95	0.600	2.60		1	WG2238207
o-Xylene	95-47-6	106	0.276	1.20	0.281	1.22		1	WG2238207
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		100				WG2238207

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

Method Blank (MB)

(MB) R4041681-3 03/02/24 10:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Acetone	U		0.584	1.95
Allyl chloride	U		0.114	0.380
Benzene	U		0.0715	0.238
Benzyl Chloride	U		0.0598	0.199
Bromodichloromethane	U		0.0702	0.234
Bromoform	U		0.0732	0.244
Bromomethane	U		0.0982	0.327
1,3-Butadiene	U		0.104	0.347
Carbon disulfide	U		0.102	0.340
Carbon tetrachloride	U		0.0732	0.244
Chlorobenzene	U		0.0832	0.277
Chloroethane	U		0.0996	0.332
Chloroform	U		0.0717	0.239
Chloromethane	U		0.103	0.343
2-Chlorotoluene	U		0.0828	0.276
Cyclohexane	U		0.0753	0.251
Dibromochloromethane	U		0.0727	0.242
1,2-Dibromoethane	U		0.0721	0.240
1,2-Dichlorobenzene	U		0.128	0.427
1,3-Dichlorobenzene	U		0.182	0.607
1,4-Dichlorobenzene	U		0.0557	0.186
1,2-Dichloroethane	U		0.0700	0.233
1,1-Dichloroethane	U		0.0723	0.241
1,1-Dichloroethene	U		0.0762	0.254
cis-1,2-Dichloroethene	U		0.0784	0.261
trans-1,2-Dichloroethene	U		0.0673	0.224
1,2-Dichloropropane	U		0.0760	0.253
cis-1,3-Dichloropropene	U		0.0689	0.230
trans-1,3-Dichloropropene	U		0.0728	0.243
1,4-Dioxane	U		0.0833	0.278
Ethanol	U		0.265	0.883
Ethylbenzene	U		0.0835	0.278
4-Ethyltoluene	U		0.0783	0.261
Trichlorofluoromethane	U		0.0819	0.273
Dichlorodifluoromethane	U		0.137	0.457
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.264
1,2-Dichlorotetrafluoroethane	U		0.0890	0.297
Heptane	U		0.104	0.347
Hexachloro-1,3-butadiene	U		0.105	0.350
n-Hexane	U		0.206	0.687

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4041681-3 03/02/24 10:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Isopropylbenzene	U		0.0777	0.259
Methylene Chloride	U		0.0979	0.326
Methyl Butyl Ketone	U		0.133	0.443
2-Butanone (MEK)	U		0.0814	0.271
4-Methyl-2-pentanone (MIBK)	U		0.0765	0.255
Methyl methacrylate	U		0.0876	0.292
MTBE	U		0.0647	0.216
Naphthalene	U		0.350	1.17
2-Propanol	U		0.264	0.880
Propene	U		0.0932	0.311
Styrene	U		0.0788	0.263
1,1,2,2-Tetrachloroethane	U		0.0743	0.248
Tetrachloroethylene	U		0.0814	0.271
Tetrahydrofuran	U		0.0734	0.245
Toluene	U		0.0870	0.290
1,2,4-Trichlorobenzene	U		0.148	0.493
1,1,1-Trichloroethane	U		0.0736	0.245
1,1,2-Trichloroethane	U		0.0775	0.258
Trichloroethylene	U		0.0680	0.227
1,2,4-Trimethylbenzene	U		0.0764	0.255
1,3,5-Trimethylbenzene	U		0.0779	0.260
2,2,4-Trimethylpentane	U		0.133	0.443
Vinyl chloride	U		0.0949	0.316
Vinyl Bromide	U		0.0852	0.284
Vinyl acetate	U		0.116	0.387
Xylenes, Total	U		0.135	0.450
m&p-Xylene	U		0.135	0.450
o-Xylene	U		0.0828	0.276
(S) 1,4-Bromofluorobenzene	95.7			60.0-140

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(LCS) R4041681-1 03/02/24 08:42 • (LCSD) R4041681-2 03/02/24 09:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Acetone	3.75	3.87	3.83	103	102	70.0-130			1.04	25
Allyl chloride	3.75	3.91	3.84	104	102	70.0-130			1.81	25
Benzene	3.75	4.04	4.01	108	107	70.0-130			0.745	25
Benzyl Chloride	3.75	4.18	4.08	111	109	70.0-152			2.42	25

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

(LCS) R4041681-1 03/02/24 08:42 • (LCSD) R4041681-2 03/02/24 09:12

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Bromodichloromethane	3.75	4.06	4.04	108	108	70.0-130			0.494	25
Bromoform	3.75	4.03	3.89	107	104	70.0-130			3.54	25
Bromomethane	3.75	3.85	3.90	103	104	70.0-130			1.29	25
1,3-Butadiene	3.75	3.78	3.81	101	102	70.0-130			0.791	25
Carbon disulfide	3.75	3.83	3.77	102	101	70.0-130			1.58	25
Carbon tetrachloride	3.75	4.24	4.18	113	111	70.0-130			1.43	25
Chlorobenzene	3.75	4.11	4.07	110	109	70.0-130			0.978	25
Chloroethane	3.75	3.70	3.72	98.7	99.2	70.0-130			0.539	25
Chloroform	3.75	4.13	4.12	110	110	70.0-130			0.242	25
Chloromethane	3.75	3.70	3.65	98.7	97.3	70.0-130			1.36	25
2-Chlorotoluene	3.75	4.27	4.24	114	113	70.0-130			0.705	25
Cyclohexane	3.75	4.03	4.03	107	107	70.0-130			0.000	25
Dibromochloromethane	3.75	4.13	4.09	110	109	70.0-130			0.973	25
1,2-Dibromoethane	3.75	4.25	4.18	113	111	70.0-130			1.66	25
1,2-Dichlorobenzene	3.75	4.48	4.42	119	118	70.0-130			1.35	25
1,3-Dichlorobenzene	3.75	4.55	4.46	121	119	70.0-130			2.00	25
1,4-Dichlorobenzene	3.75	4.54	4.54	121	121	70.0-130			0.000	25
1,2-Dichloroethane	3.75	4.15	4.14	111	110	70.0-130			0.241	25
1,1-Dichloroethane	3.75	4.01	4.00	107	107	70.0-130			0.250	25
1,1-Dichloroethene	3.75	3.99	4.00	106	107	70.0-130			0.250	25
cis-1,2-Dichloroethene	3.75	4.02	3.96	107	106	70.0-130			1.50	25
trans-1,2-Dichloroethene	3.75	3.78	3.82	101	102	70.0-130			1.05	25
1,2-Dichloropropane	3.75	3.95	3.98	105	106	70.0-130			0.757	25
cis-1,3-Dichloropropene	3.75	4.03	4.20	107	112	70.0-130			4.13	25
trans-1,3-Dichloropropene	3.75	3.93	3.99	105	106	70.0-130			1.52	25
1,4-Dioxane	3.75	4.21	4.28	112	114	70.0-140			1.65	25
Ethanol	3.75	3.53	3.55	94.1	94.7	55.0-148			0.565	25
Ethylbenzene	3.75	4.22	4.16	113	111	70.0-130			1.43	25
4-Ethyltoluene	3.75	4.42	4.38	118	117	70.0-130			0.909	25
Trichlorofluoromethane	3.75	4.11	4.13	110	110	70.0-130			0.485	25
Dichlorodifluoromethane	3.75	4.05	3.98	108	106	64.0-139			1.74	25
1,1,2-Trichlorotrifluoroethane	3.75	4.07	4.08	109	109	70.0-130			0.245	25
1,2-Dichlorotetrafluoroethane	3.75	3.94	3.95	105	105	70.0-130			0.253	25
Heptane	3.75	4.00	4.00	107	107	70.0-130			0.000	25
Hexachloro-1,3-butadiene	3.75	4.12	4.11	110	110	70.0-151			0.243	25
n-Hexane	3.75	3.98	3.91	106	104	70.0-130			1.77	25
Isopropylbenzene	3.75	4.29	4.29	114	114	70.0-130			0.000	25
Methylene Chloride	3.75	3.82	3.82	102	102	70.0-130			0.000	25
Methyl Butyl Ketone	3.75	4.17	4.25	111	113	70.0-149			1.90	25
2-Butanone (MEK)	3.75	4.03	4.00	107	107	70.0-130			0.747	25

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R4041681-1 03/02/24 08:42 • (LCSD) R4041681-2 03/02/24 09:12

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	4.01	4.03	107	107	70.0-139			0.498	25
Methyl methacrylate	3.75	4.05	4.01	108	107	70.0-130			0.993	25
MTBE	3.75	4.18	4.11	111	110	70.0-130			1.69	25
Naphthalene	3.75	4.38	4.34	117	116	70.0-159			0.917	25
2-Propanol	3.75	3.89	3.86	104	103	70.0-139			0.774	25
Propene	3.75	3.81	3.81	102	102	64.0-144			0.000	25
Styrene	3.75	4.35	4.31	116	115	70.0-130			0.924	25
1,1,2,2-Tetrachloroethane	3.75	4.30	4.24	115	113	70.0-130			1.41	25
Tetrachloroethylene	3.75	4.27	4.23	114	113	70.0-130			0.941	25
Tetrahydrofuran	3.75	4.06	3.99	108	106	70.0-137			1.74	25
Toluene	3.75	4.10	4.12	109	110	70.0-130			0.487	25
1,2,4-Trichlorobenzene	3.75	4.09	4.03	109	107	70.0-160			1.48	25
1,1,1-Trichloroethane	3.75	4.17	4.07	111	109	70.0-130			2.43	25
1,1,2-Trichloroethane	3.75	4.10	4.11	109	110	70.0-130			0.244	25
Trichloroethylene	3.75	4.16	4.21	111	112	70.0-130			1.19	25
1,2,4-Trimethylbenzene	3.75	4.42	4.40	118	117	70.0-130			0.454	25
1,3,5-Trimethylbenzene	3.75	4.48	4.44	119	118	70.0-130			0.897	25
2,2,4-Trimethylpentane	3.75	4.04	4.03	108	107	70.0-130			0.248	25
Vinyl chloride	3.75	3.74	3.75	99.7	100	70.0-130			0.267	25
Vinyl Bromide	3.75	4.00	3.99	107	106	70.0-130			0.250	25
Vinyl acetate	3.75	3.25	2.72	86.7	72.5	70.0-130			17.8	25
Xylenes, Total	11.3	13.0	12.8	115	113	70.0-130			1.55	25
m&p-Xylene	7.50	8.62	8.52	115	114	70.0-130			1.17	25
o-Xylene	3.75	4.33	4.32	115	115	70.0-130			0.231	25
(S) 1,4-Bromofluorobenzene				98.9	98.9	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 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.

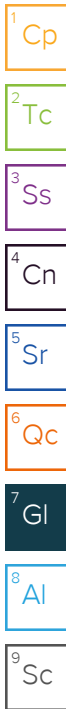
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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 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.
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

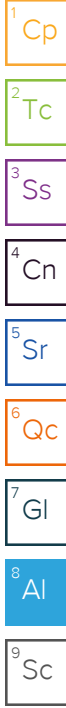
Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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.



Pace Pace* Location Requested (City/State): **Amherst, WI 54406** **Air CHAIN-OF-CUSTODY Analytical Request Document** Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Company Name: **Sand County Environmental** Contact/Report To: **Pete Arnsten**

Street Address: **PO Box 218 Amherst, WI 54406** Phone #: **715-824-5169**

City, State Zip: **Amherst, WI 54406** E-Mail: **pete.arnsten@sandcountynenv.com; ken.ebbott@sandcountynenv.com**

Customer Project #: **Klismith** Invoice to: **Klismith**

Project Name: **Klismith** Invoice E-Mail: **Klismith**

Site Collection Info/Facility ID (as applicable): **SANDCOPWI-KLISMITH** Purchase Order # (if applicable): **WI**

Time Zone Collected: [] AK [] PT [] MT [X] CT [] ET State origin of sample(s): **WI**

Data Deliverables: [] Level II [] Level III [] Level IV Regulatory Program (CAA, RCRA, etc.) as applicable: **WI**

[] EQUIS Rush (Pre-approval required): 2 Day 3 day 5 day Other **WI** Permit # as applicable: **WI**

[] Other Date Results Requested: **WI** Units for Reporting: **ug/m³ PPBV mg/m³ PPMV**

* Matrix Codes (Insert in Matrix box below): Ambient (A), Indoor (I), Soil Vapor (SV), Other (O)

Customer Sample ID	Matrix *	Summa Canister ID	Flow Controller ID	Begin Collection		End Collection		Start Pressure / Vacuum (in Hg)	End Pressure / Vacuum (in Hg)	Duration (minutes)	Flow Rate (m ³ /min or L/min)	Total Volume Sampled (m ³ or L)	TO-15 Summa	Sample Comment
				Date	Time	Date	Time							
Ambient Air	A/I	010487	020516	2/21/24	10:30	2/21/24	10:33	-28	-3				X	Problem w/ Flow controller -01
SSV-201	SV	012566	023114		10:11		10:16	-27	-1				X	-02
SSV-202	SV	023390	011376		9:29		9:35	-26	-2				X	-03

Sample Receipt Checklist

COC Seal Present/Intact: Y N

COC Signed/Accurate: Y N Size: **2** Airs **1** 1L **5L** **1.4L**

Bottles arrive intact: Y N Targe Color: **G** **W** **P** **B**

Correct bottles used: Y N Tubing **Shunt**

T/P#:

Customer Remarks / Special Conditions / Possible Hazards: **Collected By: Nichole Good**

Additional Instructions from Pace*: **Signature: Nichole Good**

Relinquished by/Company: (Signature) **Sand County Environmental N. Good** Date/Time: **2/22/24 10:00** Received by/Company: (Signature) **Jansen** Date/Time: **2-28-24**

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time: **0900**

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

Tracking Number: **170100-1710008**

Delivered by: In-Person Courier FedEX UPS Other

Page: **1** of: **1**



Scan QR code for instructions

J180

AD 2.15.24

Analyses Requested

Proj. Manager: **3828 - Jennifer A McCurdy**

AcctNum / Client ID: **SANDCOPWI**

Table #:

Profile / Template: **T246552**

Prelog / Bottle Ord. ID: **P1054021**

AP 2/22/24

170100-1710008

Sample Comment



March 22, 2024

Pete Arntsen
SAND COUNTY ENVIRONMENTAL, INC.
151 Mill Street
Amherst, WI 54406

RE: Project: KLISMITH
Pace Project No.: 40275696

Dear Pete Arntsen:

Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

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

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: KLISMITH

Pace Project No.: 40275696

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-21-8

Virginia VELAP Certification ID: 11873

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-21-00008

Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: KLISMITH
Pace Project No.: 40275696

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40275696001	B-402-3'	Solid	03/15/24 15:20	03/20/24 07:45
40275696002	B-402-4'	Solid	03/15/24 15:30	03/20/24 07:45
40275696003	TB	Solid	03/15/24 00:00	03/20/24 07:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: KLISMITH

Pace Project No.: 40275696

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40275696001	B-402-3'	EPA 8260	EIB	63
		ASTM D2974-87	MYH	1
40275696002	B-402-4'	EPA 8260	EIB	63
		ASTM D2974-87	MYH	1
40275696003	TB	EPA 8260	EIB	63

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: KLISMITH

Pace Project No.: 40275696

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40275696001	B-402-3'					
ASTM D2974-87	Percent Moisture	8.0	%	0.10	03/20/24 14:39	
40275696002	B-402-4'					
ASTM D2974-87	Percent Moisture	7.6	%	0.10	03/20/24 14:39	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KLISMITH

Pace Project No.: 40275696

Sample: B-402-3' Lab ID: 40275696001 Collected: 03/15/24 15:20 Received: 03/20/24 07:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.1	ug/kg	58.7	14.1	1	03/21/24 08:30	03/21/24 23:55	630-20-6	
1,1,1-Trichloroethane	<15.0	ug/kg	58.7	15.0	1	03/21/24 08:30	03/21/24 23:55	71-55-6	
1,1,2,2-Tetrachloroethane	<21.3	ug/kg	58.7	21.3	1	03/21/24 08:30	03/21/24 23:55	79-34-5	
1,1,2-Trichloroethane	<21.4	ug/kg	58.7	21.4	1	03/21/24 08:30	03/21/24 23:55	79-00-5	
1,1-Dichloroethane	<15.0	ug/kg	58.7	15.0	1	03/21/24 08:30	03/21/24 23:55	75-34-3	
1,1-Dichloroethene	<19.5	ug/kg	58.7	19.5	1	03/21/24 08:30	03/21/24 23:55	75-35-4	
1,1-Dichloropropene	<19.0	ug/kg	58.7	19.0	1	03/21/24 08:30	03/21/24 23:55	563-58-6	
1,2,3-Trichlorobenzene	<65.4	ug/kg	294	65.4	1	03/21/24 08:30	03/21/24 23:55	87-61-6	
1,2,3-Trichloropropane	<28.5	ug/kg	58.7	28.5	1	03/21/24 08:30	03/21/24 23:55	96-18-4	
1,2,4-Trichlorobenzene	<48.4	ug/kg	294	48.4	1	03/21/24 08:30	03/21/24 23:55	120-82-1	
1,2,4-Trimethylbenzene	<17.5	ug/kg	58.7	17.5	1	03/21/24 08:30	03/21/24 23:55	95-63-6	
1,2-Dibromo-3-chloropropane	<45.6	ug/kg	294	45.6	1	03/21/24 08:30	03/21/24 23:55	96-12-8	
1,2-Dibromoethane (EDB)	<16.1	ug/kg	58.7	16.1	1	03/21/24 08:30	03/21/24 23:55	106-93-4	
1,2-Dichlorobenzene	<18.2	ug/kg	58.7	18.2	1	03/21/24 08:30	03/21/24 23:55	95-50-1	
1,2-Dichloroethane	<13.5	ug/kg	58.7	13.5	1	03/21/24 08:30	03/21/24 23:55	107-06-2	
1,2-Dichloropropane	<14.0	ug/kg	58.7	14.0	1	03/21/24 08:30	03/21/24 23:55	78-87-5	
1,3,5-Trimethylbenzene	<18.9	ug/kg	58.7	18.9	1	03/21/24 08:30	03/21/24 23:55	108-67-8	
1,3-Dichlorobenzene	<16.1	ug/kg	58.7	16.1	1	03/21/24 08:30	03/21/24 23:55	541-73-1	
1,3-Dichloropropane	<12.8	ug/kg	58.7	12.8	1	03/21/24 08:30	03/21/24 23:55	142-28-9	
1,4-Dichlorobenzene	<16.1	ug/kg	58.7	16.1	1	03/21/24 08:30	03/21/24 23:55	106-46-7	
2,2-Dichloropropane	<15.9	ug/kg	58.7	15.9	1	03/21/24 08:30	03/21/24 23:55	594-20-7	
2-Chlorotoluene	<19.0	ug/kg	58.7	19.0	1	03/21/24 08:30	03/21/24 23:55	95-49-8	
4-Chlorotoluene	<22.3	ug/kg	58.7	22.3	1	03/21/24 08:30	03/21/24 23:55	106-43-4	
Benzene	<14.0	ug/kg	23.5	14.0	1	03/21/24 08:30	03/21/24 23:55	71-43-2	
Bromobenzene	<22.9	ug/kg	58.7	22.9	1	03/21/24 08:30	03/21/24 23:55	108-86-1	
Bromochloromethane	<16.1	ug/kg	58.7	16.1	1	03/21/24 08:30	03/21/24 23:55	74-97-5	
Bromodichloromethane	<14.0	ug/kg	58.7	14.0	1	03/21/24 08:30	03/21/24 23:55	75-27-4	
Bromoform	<258	ug/kg	294	258	1	03/21/24 08:30	03/21/24 23:55	75-25-2	
Bromomethane	<82.4	ug/kg	294	82.4	1	03/21/24 08:30	03/21/24 23:55	74-83-9	
Carbon tetrachloride	<12.9	ug/kg	58.7	12.9	1	03/21/24 08:30	03/21/24 23:55	56-23-5	
Chlorobenzene	<7.0	ug/kg	58.7	7.0	1	03/21/24 08:30	03/21/24 23:55	108-90-7	
Chloroethane	<24.8	ug/kg	294	24.8	1	03/21/24 08:30	03/21/24 23:55	75-00-3	
Chloroform	<42.1	ug/kg	294	42.1	1	03/21/24 08:30	03/21/24 23:55	67-66-3	
Chloromethane	<22.3	ug/kg	58.7	22.3	1	03/21/24 08:30	03/21/24 23:55	74-87-3	
Dibromochloromethane	<201	ug/kg	294	201	1	03/21/24 08:30	03/21/24 23:55	124-48-1	
Dibromomethane	<17.4	ug/kg	58.7	17.4	1	03/21/24 08:30	03/21/24 23:55	74-95-3	
Dichlorodifluoromethane	<25.3	ug/kg	58.7	25.3	1	03/21/24 08:30	03/21/24 23:55	75-71-8	
Diisopropyl ether	<14.6	ug/kg	58.7	14.6	1	03/21/24 08:30	03/21/24 23:55	108-20-3	
Ethylbenzene	<14.0	ug/kg	58.7	14.0	1	03/21/24 08:30	03/21/24 23:55	100-41-4	
Hexachloro-1,3-butadiene	<117	ug/kg	294	117	1	03/21/24 08:30	03/21/24 23:55	87-68-3	
Isopropylbenzene (Cumene)	<15.9	ug/kg	58.7	15.9	1	03/21/24 08:30	03/21/24 23:55	98-82-8	
Methyl-tert-butyl ether	<17.3	ug/kg	58.7	17.3	1	03/21/24 08:30	03/21/24 23:55	1634-04-4	
Methylene Chloride	<16.3	ug/kg	58.7	16.3	1	03/21/24 08:30	03/21/24 23:55	75-09-2	
Naphthalene	<24.7	ug/kg	294	24.7	1	03/21/24 08:30	03/21/24 23:55	91-20-3	

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ANALYTICAL RESULTS

Project: KLISMITH

Pace Project No.: 40275696

Sample: B-402-3' Lab ID: 40275696001 Collected: 03/15/24 15:20 Received: 03/20/24 07:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<15.0	ug/kg	58.7	15.0	1	03/21/24 08:30	03/21/24 23:55	100-42-5	
Tetrachloroethene	<22.8	ug/kg	58.7	22.8	1	03/21/24 08:30	03/21/24 23:55	127-18-4	
Toluene	<14.8	ug/kg	58.7	14.8	1	03/21/24 08:30	03/21/24 23:55	108-88-3	
Trichloroethene	<22.0	ug/kg	58.7	22.0	1	03/21/24 08:30	03/21/24 23:55	79-01-6	
Trichlorofluoromethane	<17.0	ug/kg	58.7	17.0	1	03/21/24 08:30	03/21/24 23:55	75-69-4	
Vinyl chloride	<11.9	ug/kg	58.7	11.9	1	03/21/24 08:30	03/21/24 23:55	75-01-4	
Xylene (Total)	<42.4	ug/kg	176	42.4	1	03/21/24 08:30	03/21/24 23:55	1330-20-7	
cis-1,2-Dichloroethene	<12.6	ug/kg	58.7	12.6	1	03/21/24 08:30	03/21/24 23:55	156-59-2	
cis-1,3-Dichloropropene	<38.8	ug/kg	294	38.8	1	03/21/24 08:30	03/21/24 23:55	10061-01-5	
n-Butylbenzene	<26.9	ug/kg	58.7	26.9	1	03/21/24 08:30	03/21/24 23:55	104-51-8	
n-Propylbenzene	<14.1	ug/kg	58.7	14.1	1	03/21/24 08:30	03/21/24 23:55	103-65-1	
p-Isopropyltoluene	<20.0	ug/kg	58.7	20.0	1	03/21/24 08:30	03/21/24 23:55	99-87-6	
sec-Butylbenzene	<20.2	ug/kg	58.7	20.2	1	03/21/24 08:30	03/21/24 23:55	135-98-8	
tert-Butylbenzene	<18.4	ug/kg	58.7	18.4	1	03/21/24 08:30	03/21/24 23:55	98-06-6	
trans-1,2-Dichloroethene	<12.8	ug/kg	58.7	12.8	1	03/21/24 08:30	03/21/24 23:55	156-60-5	
trans-1,3-Dichloropropene	<168	ug/kg	294	168	1	03/21/24 08:30	03/21/24 23:55	10061-02-6	
Surrogates									
Toluene-d8 (S)	141	%	70-139		1	03/21/24 08:30	03/21/24 23:55	2037-26-5	S3
4-Bromofluorobenzene (S)	150	%	72-142		1	03/21/24 08:30	03/21/24 23:55	460-00-4	S3
1,2-Dichlorobenzene-d4 (S)	146	%	67-144		1	03/21/24 08:30	03/21/24 23:55	2199-69-1	S3
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	8.0	%	0.10	0.10	1		03/20/24 14:39		

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ANALYTICAL RESULTS

Project: KLISMITH

Pace Project No.: 40275696

Sample: B-402-4' Lab ID: 40275696002 Collected: 03/15/24 15:30 Received: 03/20/24 07:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<14.0	ug/kg	58.3	14.0	1	03/21/24 08:30	03/22/24 04:08	630-20-6	
1,1,1-Trichloroethane	<14.9	ug/kg	58.3	14.9	1	03/21/24 08:30	03/22/24 04:08	71-55-6	
1,1,2,2-Tetrachloroethane	<21.1	ug/kg	58.3	21.1	1	03/21/24 08:30	03/22/24 04:08	79-34-5	
1,1,2-Trichloroethane	<21.2	ug/kg	58.3	21.2	1	03/21/24 08:30	03/22/24 04:08	79-00-5	
1,1-Dichloroethane	<14.9	ug/kg	58.3	14.9	1	03/21/24 08:30	03/22/24 04:08	75-34-3	
1,1-Dichloroethene	<19.3	ug/kg	58.3	19.3	1	03/21/24 08:30	03/22/24 04:08	75-35-4	
1,1-Dichloropropene	<18.9	ug/kg	58.3	18.9	1	03/21/24 08:30	03/22/24 04:08	563-58-6	
1,2,3-Trichlorobenzene	<64.9	ug/kg	291	64.9	1	03/21/24 08:30	03/22/24 04:08	87-61-6	
1,2,3-Trichloropropane	<28.3	ug/kg	58.3	28.3	1	03/21/24 08:30	03/22/24 04:08	96-18-4	
1,2,4-Trichlorobenzene	<48.0	ug/kg	291	48.0	1	03/21/24 08:30	03/22/24 04:08	120-82-1	
1,2,4-Trimethylbenzene	<17.4	ug/kg	58.3	17.4	1	03/21/24 08:30	03/22/24 04:08	95-63-6	
1,2-Dibromo-3-chloropropane	<45.2	ug/kg	291	45.2	1	03/21/24 08:30	03/22/24 04:08	96-12-8	
1,2-Dibromoethane (EDB)	<16.0	ug/kg	58.3	16.0	1	03/21/24 08:30	03/22/24 04:08	106-93-4	
1,2-Dichlorobenzene	<18.1	ug/kg	58.3	18.1	1	03/21/24 08:30	03/22/24 04:08	95-50-1	
1,2-Dichloroethane	<13.4	ug/kg	58.3	13.4	1	03/21/24 08:30	03/22/24 04:08	107-06-2	
1,2-Dichloropropane	<13.9	ug/kg	58.3	13.9	1	03/21/24 08:30	03/22/24 04:08	78-87-5	
1,3,5-Trimethylbenzene	<18.8	ug/kg	58.3	18.8	1	03/21/24 08:30	03/22/24 04:08	108-67-8	
1,3-Dichlorobenzene	<16.0	ug/kg	58.3	16.0	1	03/21/24 08:30	03/22/24 04:08	541-73-1	
1,3-Dichloropropane	<12.7	ug/kg	58.3	12.7	1	03/21/24 08:30	03/22/24 04:08	142-28-9	
1,4-Dichlorobenzene	<16.0	ug/kg	58.3	16.0	1	03/21/24 08:30	03/22/24 04:08	106-46-7	
2,2-Dichloropropane	<15.7	ug/kg	58.3	15.7	1	03/21/24 08:30	03/22/24 04:08	594-20-7	
2-Chlorotoluene	<18.9	ug/kg	58.3	18.9	1	03/21/24 08:30	03/22/24 04:08	95-49-8	
4-Chlorotoluene	<22.1	ug/kg	58.3	22.1	1	03/21/24 08:30	03/22/24 04:08	106-43-4	
Benzene	<13.9	ug/kg	23.3	13.9	1	03/21/24 08:30	03/22/24 04:08	71-43-2	
Bromobenzene	<22.7	ug/kg	58.3	22.7	1	03/21/24 08:30	03/22/24 04:08	108-86-1	
Bromochloromethane	<16.0	ug/kg	58.3	16.0	1	03/21/24 08:30	03/22/24 04:08	74-97-5	
Bromodichloromethane	<13.9	ug/kg	58.3	13.9	1	03/21/24 08:30	03/22/24 04:08	75-27-4	
Bromoform	<256	ug/kg	291	256	1	03/21/24 08:30	03/22/24 04:08	75-25-2	
Bromomethane	<81.7	ug/kg	291	81.7	1	03/21/24 08:30	03/22/24 04:08	74-83-9	
Carbon tetrachloride	<12.8	ug/kg	58.3	12.8	1	03/21/24 08:30	03/22/24 04:08	56-23-5	
Chlorobenzene	<7.0	ug/kg	58.3	7.0	1	03/21/24 08:30	03/22/24 04:08	108-90-7	
Chloroethane	<24.6	ug/kg	291	24.6	1	03/21/24 08:30	03/22/24 04:08	75-00-3	
Chloroform	<41.7	ug/kg	291	41.7	1	03/21/24 08:30	03/22/24 04:08	67-66-3	
Chloromethane	<22.1	ug/kg	58.3	22.1	1	03/21/24 08:30	03/22/24 04:08	74-87-3	
Dibromochloromethane	<199	ug/kg	291	199	1	03/21/24 08:30	03/22/24 04:08	124-48-1	
Dibromomethane	<17.2	ug/kg	58.3	17.2	1	03/21/24 08:30	03/22/24 04:08	74-95-3	
Dichlorodifluoromethane	<25.0	ug/kg	58.3	25.0	1	03/21/24 08:30	03/22/24 04:08	75-71-8	
Diisopropyl ether	<14.4	ug/kg	58.3	14.4	1	03/21/24 08:30	03/22/24 04:08	108-20-3	
Ethylbenzene	<13.9	ug/kg	58.3	13.9	1	03/21/24 08:30	03/22/24 04:08	100-41-4	
Hexachloro-1,3-butadiene	<116	ug/kg	291	116	1	03/21/24 08:30	03/22/24 04:08	87-68-3	
Isopropylbenzene (Cumene)	<15.7	ug/kg	58.3	15.7	1	03/21/24 08:30	03/22/24 04:08	98-82-8	
Methyl-tert-butyl ether	<17.1	ug/kg	58.3	17.1	1	03/21/24 08:30	03/22/24 04:08	1634-04-4	
Methylene Chloride	<16.2	ug/kg	58.3	16.2	1	03/21/24 08:30	03/22/24 04:08	75-09-2	
Naphthalene	<24.5	ug/kg	291	24.5	1	03/21/24 08:30	03/22/24 04:08	91-20-3	

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ANALYTICAL RESULTS

Project: KLISMITH

Pace Project No.: 40275696

Sample: B-402-4¹ Lab ID: 40275696002 Collected: 03/15/24 15:30 Received: 03/20/24 07:45 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<14.9	ug/kg	58.3	14.9	1	03/21/24 08:30	03/22/24 04:08	100-42-5	
Tetrachloroethene	<22.6	ug/kg	58.3	22.6	1	03/21/24 08:30	03/22/24 04:08	127-18-4	
Toluene	<14.7	ug/kg	58.3	14.7	1	03/21/24 08:30	03/22/24 04:08	108-88-3	
Trichloroethene	<21.8	ug/kg	58.3	21.8	1	03/21/24 08:30	03/22/24 04:08	79-01-6	
Trichlorofluoromethane	<16.9	ug/kg	58.3	16.9	1	03/21/24 08:30	03/22/24 04:08	75-69-4	
Vinyl chloride	<11.8	ug/kg	58.3	11.8	1	03/21/24 08:30	03/22/24 04:08	75-01-4	
Xylene (Total)	<42.1	ug/kg	175	42.1	1	03/21/24 08:30	03/22/24 04:08	1330-20-7	
cis-1,2-Dichloroethene	<12.5	ug/kg	58.3	12.5	1	03/21/24 08:30	03/22/24 04:08	156-59-2	
cis-1,3-Dichloropropene	<38.4	ug/kg	291	38.4	1	03/21/24 08:30	03/22/24 04:08	10061-01-5	
n-Butylbenzene	<26.7	ug/kg	58.3	26.7	1	03/21/24 08:30	03/22/24 04:08	104-51-8	
n-Propylbenzene	<14.0	ug/kg	58.3	14.0	1	03/21/24 08:30	03/22/24 04:08	103-65-1	
p-Isopropyltoluene	<19.8	ug/kg	58.3	19.8	1	03/21/24 08:30	03/22/24 04:08	99-87-6	
sec-Butylbenzene	<20.0	ug/kg	58.3	20.0	1	03/21/24 08:30	03/22/24 04:08	135-98-8	
tert-Butylbenzene	<18.3	ug/kg	58.3	18.3	1	03/21/24 08:30	03/22/24 04:08	98-06-6	
trans-1,2-Dichloroethene	<12.7	ug/kg	58.3	12.7	1	03/21/24 08:30	03/22/24 04:08	156-60-5	
trans-1,3-Dichloropropene	<167	ug/kg	291	167	1	03/21/24 08:30	03/22/24 04:08	10061-02-6	
Surrogates									
Toluene-d8 (S)	128	%	70-139		1	03/21/24 08:30	03/22/24 04:08	2037-26-5	
4-Bromofluorobenzene (S)	137	%	72-142		1	03/21/24 08:30	03/22/24 04:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	136	%	67-144		1	03/21/24 08:30	03/22/24 04:08	2199-69-1	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	7.6	%	0.10	0.10	1		03/20/24 14:39		

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ANALYTICAL RESULTS

Project: KLISMITH

Pace Project No.: 40275696

Sample: TB Lab ID: 40275696003 Collected: 03/15/24 00:00 Received: 03/20/24 07:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
1,1,1,2-Tetrachloroethane	<12.0	ug/kg	50.0	12.0	1	03/21/24 08:30	03/21/24 23:36	630-20-6	
1,1,1-Trichloroethane	<12.8	ug/kg	50.0	12.8	1	03/21/24 08:30	03/21/24 23:36	71-55-6	
1,1,2,2-Tetrachloroethane	<18.1	ug/kg	50.0	18.1	1	03/21/24 08:30	03/21/24 23:36	79-34-5	
1,1,2-Trichloroethane	<18.2	ug/kg	50.0	18.2	1	03/21/24 08:30	03/21/24 23:36	79-00-5	
1,1-Dichloroethane	<12.8	ug/kg	50.0	12.8	1	03/21/24 08:30	03/21/24 23:36	75-34-3	
1,1-Dichloroethene	<16.6	ug/kg	50.0	16.6	1	03/21/24 08:30	03/21/24 23:36	75-35-4	
1,1-Dichloropropene	<16.2	ug/kg	50.0	16.2	1	03/21/24 08:30	03/21/24 23:36	563-58-6	
1,2,3-Trichlorobenzene	<55.7	ug/kg	250	55.7	1	03/21/24 08:30	03/21/24 23:36	87-61-6	
1,2,3-Trichloropropane	<24.3	ug/kg	50.0	24.3	1	03/21/24 08:30	03/21/24 23:36	96-18-4	
1,2,4-Trichlorobenzene	<41.2	ug/kg	250	41.2	1	03/21/24 08:30	03/21/24 23:36	120-82-1	
1,2,4-Trimethylbenzene	<14.9	ug/kg	50.0	14.9	1	03/21/24 08:30	03/21/24 23:36	95-63-6	
1,2-Dibromo-3-chloropropane	<38.8	ug/kg	250	38.8	1	03/21/24 08:30	03/21/24 23:36	96-12-8	
1,2-Dibromoethane (EDB)	<13.7	ug/kg	50.0	13.7	1	03/21/24 08:30	03/21/24 23:36	106-93-4	
1,2-Dichlorobenzene	<15.5	ug/kg	50.0	15.5	1	03/21/24 08:30	03/21/24 23:36	95-50-1	
1,2-Dichloroethane	<11.5	ug/kg	50.0	11.5	1	03/21/24 08:30	03/21/24 23:36	107-06-2	
1,2-Dichloropropane	<11.9	ug/kg	50.0	11.9	1	03/21/24 08:30	03/21/24 23:36	78-87-5	
1,3,5-Trimethylbenzene	<16.1	ug/kg	50.0	16.1	1	03/21/24 08:30	03/21/24 23:36	108-67-8	
1,3-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	03/21/24 08:30	03/21/24 23:36	541-73-1	
1,3-Dichloropropane	<10.9	ug/kg	50.0	10.9	1	03/21/24 08:30	03/21/24 23:36	142-28-9	
1,4-Dichlorobenzene	<13.7	ug/kg	50.0	13.7	1	03/21/24 08:30	03/21/24 23:36	106-46-7	
2,2-Dichloropropane	<13.5	ug/kg	50.0	13.5	1	03/21/24 08:30	03/21/24 23:36	594-20-7	
2-Chlorotoluene	<16.2	ug/kg	50.0	16.2	1	03/21/24 08:30	03/21/24 23:36	95-49-8	
4-Chlorotoluene	<19.0	ug/kg	50.0	19.0	1	03/21/24 08:30	03/21/24 23:36	106-43-4	
Benzene	<11.9	ug/kg	20.0	11.9	1	03/21/24 08:30	03/21/24 23:36	71-43-2	
Bromobenzene	<19.5	ug/kg	50.0	19.5	1	03/21/24 08:30	03/21/24 23:36	108-86-1	
Bromochloromethane	<13.7	ug/kg	50.0	13.7	1	03/21/24 08:30	03/21/24 23:36	74-97-5	
Bromodichloromethane	<11.9	ug/kg	50.0	11.9	1	03/21/24 08:30	03/21/24 23:36	75-27-4	
Bromoform	<220	ug/kg	250	220	1	03/21/24 08:30	03/21/24 23:36	75-25-2	
Bromomethane	<70.1	ug/kg	250	70.1	1	03/21/24 08:30	03/21/24 23:36	74-83-9	
Carbon tetrachloride	<11.0	ug/kg	50.0	11.0	1	03/21/24 08:30	03/21/24 23:36	56-23-5	
Chlorobenzene	<6.0	ug/kg	50.0	6.0	1	03/21/24 08:30	03/21/24 23:36	108-90-7	
Chloroethane	<21.1	ug/kg	250	21.1	1	03/21/24 08:30	03/21/24 23:36	75-00-3	
Chloroform	<35.8	ug/kg	250	35.8	1	03/21/24 08:30	03/21/24 23:36	67-66-3	
Chloromethane	<19.0	ug/kg	50.0	19.0	1	03/21/24 08:30	03/21/24 23:36	74-87-3	
Dibromochloromethane	<171	ug/kg	250	171	1	03/21/24 08:30	03/21/24 23:36	124-48-1	
Dibromomethane	<14.8	ug/kg	50.0	14.8	1	03/21/24 08:30	03/21/24 23:36	74-95-3	
Dichlorodifluoromethane	<21.5	ug/kg	50.0	21.5	1	03/21/24 08:30	03/21/24 23:36	75-71-8	
Diisopropyl ether	<12.4	ug/kg	50.0	12.4	1	03/21/24 08:30	03/21/24 23:36	108-20-3	
Ethylbenzene	<11.9	ug/kg	50.0	11.9	1	03/21/24 08:30	03/21/24 23:36	100-41-4	
Hexachloro-1,3-butadiene	<99.4	ug/kg	250	99.4	1	03/21/24 08:30	03/21/24 23:36	87-68-3	
Isopropylbenzene (Cumene)	<13.5	ug/kg	50.0	13.5	1	03/21/24 08:30	03/21/24 23:36	98-82-8	
Methyl-tert-butyl ether	<14.7	ug/kg	50.0	14.7	1	03/21/24 08:30	03/21/24 23:36	1634-04-4	
Methylene Chloride	<13.9	ug/kg	50.0	13.9	1	03/21/24 08:30	03/21/24 23:36	75-09-2	
Naphthalene	<21.0	ug/kg	250	21.0	1	03/21/24 08:30	03/21/24 23:36	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KLISMITH

Pace Project No.: 40275696

Sample: TB Lab ID: 40275696003 Collected: 03/15/24 00:00 Received: 03/20/24 07:45 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay							
Styrene	<12.8	ug/kg	50.0	12.8	1	03/21/24 08:30	03/21/24 23:36	100-42-5	
Tetrachloroethene	<19.4	ug/kg	50.0	19.4	1	03/21/24 08:30	03/21/24 23:36	127-18-4	
Toluene	<12.6	ug/kg	50.0	12.6	1	03/21/24 08:30	03/21/24 23:36	108-88-3	
Trichloroethene	<18.7	ug/kg	50.0	18.7	1	03/21/24 08:30	03/21/24 23:36	79-01-6	
Trichlorofluoromethane	<14.5	ug/kg	50.0	14.5	1	03/21/24 08:30	03/21/24 23:36	75-69-4	
Vinyl chloride	<10.1	ug/kg	50.0	10.1	1	03/21/24 08:30	03/21/24 23:36	75-01-4	
Xylene (Total)	<36.1	ug/kg	150	36.1	1	03/21/24 08:30	03/21/24 23:36	1330-20-7	
cis-1,2-Dichloroethene	<10.7	ug/kg	50.0	10.7	1	03/21/24 08:30	03/21/24 23:36	156-59-2	
cis-1,3-Dichloropropene	<33.0	ug/kg	250	33.0	1	03/21/24 08:30	03/21/24 23:36	10061-01-5	
n-Butylbenzene	<22.9	ug/kg	50.0	22.9	1	03/21/24 08:30	03/21/24 23:36	104-51-8	
n-Propylbenzene	<12.0	ug/kg	50.0	12.0	1	03/21/24 08:30	03/21/24 23:36	103-65-1	
p-Isopropyltoluene	<17.0	ug/kg	50.0	17.0	1	03/21/24 08:30	03/21/24 23:36	99-87-6	
sec-Butylbenzene	<17.2	ug/kg	50.0	17.2	1	03/21/24 08:30	03/21/24 23:36	135-98-8	
tert-Butylbenzene	<15.7	ug/kg	50.0	15.7	1	03/21/24 08:30	03/21/24 23:36	98-06-6	
trans-1,2-Dichloroethene	<10.9	ug/kg	50.0	10.9	1	03/21/24 08:30	03/21/24 23:36	156-60-5	
trans-1,3-Dichloropropene	<143	ug/kg	250	143	1	03/21/24 08:30	03/21/24 23:36	10061-02-6	
Surrogates									
Toluene-d8 (S)	99	%	70-139		1	03/21/24 08:30	03/21/24 23:36	2037-26-5	
4-Bromofluorobenzene (S)	113	%	72-142		1	03/21/24 08:30	03/21/24 23:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	112	%	67-144		1	03/21/24 08:30	03/21/24 23:36	2199-69-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KLISMITH

Pace Project No.: 40275696

QC Batch: 469732

Analysis Method: EPA 8260

QC Batch Method: EPA 5035/5030B

Analysis Description: 8260 MSV Med Level Normal List

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275696001, 40275696002, 40275696003

METHOD BLANK: 2691119

Matrix: Solid

Associated Lab Samples: 40275696001, 40275696002, 40275696003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<12.0	50.0	03/21/24 18:43	
1,1,1-Trichloroethane	ug/kg	<12.8	50.0	03/21/24 18:43	
1,1,2,2-Tetrachloroethane	ug/kg	<18.1	50.0	03/21/24 18:43	
1,1,2-Trichloroethane	ug/kg	<18.2	50.0	03/21/24 18:43	
1,1-Dichloroethane	ug/kg	<12.8	50.0	03/21/24 18:43	
1,1-Dichloroethene	ug/kg	<16.6	50.0	03/21/24 18:43	
1,1-Dichloropropene	ug/kg	<16.2	50.0	03/21/24 18:43	
1,2,3-Trichlorobenzene	ug/kg	<55.7	250	03/21/24 18:43	
1,2,3-Trichloropropane	ug/kg	<24.3	50.0	03/21/24 18:43	
1,2,4-Trichlorobenzene	ug/kg	<41.2	250	03/21/24 18:43	
1,2,4-Trimethylbenzene	ug/kg	<14.9	50.0	03/21/24 18:43	
1,2-Dibromo-3-chloropropane	ug/kg	<38.8	250	03/21/24 18:43	
1,2-Dibromoethane (EDB)	ug/kg	<13.7	50.0	03/21/24 18:43	
1,2-Dichlorobenzene	ug/kg	<15.5	50.0	03/21/24 18:43	
1,2-Dichloroethane	ug/kg	<11.5	50.0	03/21/24 18:43	
1,2-Dichloropropane	ug/kg	<11.9	50.0	03/21/24 18:43	
1,3,5-Trimethylbenzene	ug/kg	<16.1	50.0	03/21/24 18:43	
1,3-Dichlorobenzene	ug/kg	<13.7	50.0	03/21/24 18:43	
1,3-Dichloropropane	ug/kg	<10.9	50.0	03/21/24 18:43	
1,4-Dichlorobenzene	ug/kg	<13.7	50.0	03/21/24 18:43	
2,2-Dichloropropane	ug/kg	<13.5	50.0	03/21/24 18:43	
2-Chlorotoluene	ug/kg	<16.2	50.0	03/21/24 18:43	
4-Chlorotoluene	ug/kg	<19.0	50.0	03/21/24 18:43	
Benzene	ug/kg	<11.9	20.0	03/21/24 18:43	
Bromobenzene	ug/kg	<19.5	50.0	03/21/24 18:43	
Bromochloromethane	ug/kg	<13.7	50.0	03/21/24 18:43	
Bromodichloromethane	ug/kg	<11.9	50.0	03/21/24 18:43	
Bromoform	ug/kg	<220	250	03/21/24 18:43	
Bromomethane	ug/kg	<70.1	250	03/21/24 18:43	
Carbon tetrachloride	ug/kg	<11.0	50.0	03/21/24 18:43	
Chlorobenzene	ug/kg	<6.0	50.0	03/21/24 18:43	
Chloroethane	ug/kg	<21.1	250	03/21/24 18:43	
Chloroform	ug/kg	<35.8	250	03/21/24 18:43	
Chloromethane	ug/kg	<19.0	50.0	03/21/24 18:43	
cis-1,2-Dichloroethene	ug/kg	<10.7	50.0	03/21/24 18:43	
cis-1,3-Dichloropropene	ug/kg	<33.0	250	03/21/24 18:43	
Dibromochloromethane	ug/kg	<171	250	03/21/24 18:43	
Dibromomethane	ug/kg	<14.8	50.0	03/21/24 18:43	
Dichlorodifluoromethane	ug/kg	<21.5	50.0	03/21/24 18:43	
Diisopropyl ether	ug/kg	<12.4	50.0	03/21/24 18:43	

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QUALITY CONTROL DATA

Project: KLISMITH

Pace Project No.: 40275696

METHOD BLANK: 2691119

Matrix: Solid

Associated Lab Samples: 40275696001, 40275696002, 40275696003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<11.9	50.0	03/21/24 18:43	
Hexachloro-1,3-butadiene	ug/kg	<99.4	250	03/21/24 18:43	
Isopropylbenzene (Cumene)	ug/kg	<13.5	50.0	03/21/24 18:43	
Methyl-tert-butyl ether	ug/kg	<14.7	50.0	03/21/24 18:43	
Methylene Chloride	ug/kg	<13.9	50.0	03/21/24 18:43	
n-Butylbenzene	ug/kg	<22.9	50.0	03/21/24 18:43	
n-Propylbenzene	ug/kg	<12.0	50.0	03/21/24 18:43	
Naphthalene	ug/kg	<21.0	250	03/21/24 18:43	
p-Isopropyltoluene	ug/kg	<17.0	50.0	03/21/24 18:43	
sec-Butylbenzene	ug/kg	<17.2	50.0	03/21/24 18:43	
Styrene	ug/kg	<12.8	50.0	03/21/24 18:43	
tert-Butylbenzene	ug/kg	<15.7	50.0	03/21/24 18:43	
Tetrachloroethene	ug/kg	<19.4	50.0	03/21/24 18:43	
Toluene	ug/kg	<12.6	50.0	03/21/24 18:43	
trans-1,2-Dichloroethene	ug/kg	<10.9	50.0	03/21/24 18:43	
trans-1,3-Dichloropropene	ug/kg	<143	250	03/21/24 18:43	
Trichloroethene	ug/kg	<18.7	50.0	03/21/24 18:43	
Trichlorofluoromethane	ug/kg	<14.5	50.0	03/21/24 18:43	
Vinyl chloride	ug/kg	<10.1	50.0	03/21/24 18:43	
Xylene (Total)	ug/kg	<36.1	150	03/21/24 18:43	
1,2-Dichlorobenzene-d4 (S)	%	113	67-144	03/21/24 18:43	
4-Bromofluorobenzene (S)	%	113	72-142	03/21/24 18:43	
Toluene-d8 (S)	%	102	70-139	03/21/24 18:43	

LABORATORY CONTROL SAMPLE: 2691120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2490	99	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2810	113	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2350	94	70-130	
1,1-Dichloroethane	ug/kg	2500	2740	110	70-130	
1,1-Dichloroethene	ug/kg	2500	2360	94	77-122	
1,2,4-Trichlorobenzene	ug/kg	2500	2090	84	66-125	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2220	89	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2570	103	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2690	107	70-130	
1,2-Dichloroethane	ug/kg	2500	2610	104	70-130	
1,2-Dichloropropane	ug/kg	2500	2540	102	80-121	
1,3-Dichlorobenzene	ug/kg	2500	2630	105	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2580	103	70-130	
Benzene	ug/kg	2500	2460	98	70-130	
Bromodichloromethane	ug/kg	2500	2530	101	70-130	
Bromoform	ug/kg	2500	2200	88	67-130	
Bromomethane	ug/kg	2500	2740	109	25-150	

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QUALITY CONTROL DATA

Project: KLISMITH

Pace Project No.: 40275696

LABORATORY CONTROL SAMPLE: 2691120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2280	91	72-136	
Chlorobenzene	ug/kg	2500	2610	104	70-130	
Chloroethane	ug/kg	2500	2570	103	20-178	
Chloroform	ug/kg	2500	2530	101	80-120	
Chloromethane	ug/kg	2500	2220	89	45-123	
cis-1,2-Dichloroethene	ug/kg	2500	2460	98	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2320	93	70-130	
Dibromochloromethane	ug/kg	2500	2310	93	70-130	
Dichlorodifluoromethane	ug/kg	2500	2010	80	14-106	
Ethylbenzene	ug/kg	2500	2320	93	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2230	89	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2500	100	70-130	
Methylene Chloride	ug/kg	2500	2720	109	70-130	
Styrene	ug/kg	2500	2580	103	70-130	
Tetrachloroethene	ug/kg	2500	2350	94	70-130	
Toluene	ug/kg	2500	2540	102	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2360	95	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2300	92	70-130	
Trichloroethene	ug/kg	2500	2530	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2400	96	49-141	
Vinyl chloride	ug/kg	2500	2080	83	59-120	
Xylene (Total)	ug/kg	7500	7300	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			106	67-144	
4-Bromofluorobenzene (S)	%			105	72-142	
Toluene-d8 (S)	%			102	70-139	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2691121 2691122

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40275696001 Result	Spike Conc.	MSD Spike Conc.	MSD Spike Conc.							
1,1,1-Trichloroethane	ug/kg	<15.0	1170	1170	1170	894	937	76	80	56-130	5	20
1,1,2,2-Tetrachloroethane	ug/kg	<21.3	1170	1170	1170	1230	1310	105	112	70-133	6	20
1,1,2-Trichloroethane	ug/kg	<21.4	1170	1170	1170	1020	1060	87	90	70-130	3	20
1,1-Dichloroethane	ug/kg	<15.0	1170	1170	1170	1140	1240	97	106	70-130	8	20
1,1-Dichloroethene	ug/kg	<19.5	1170	1170	1170	792	812	67	69	52-122	2	20
1,2,4-Trichlorobenzene	ug/kg	<48.4	1170	1170	1170	1120	1170	96	100	66-136	4	20
1,2-Dibromo-3-chloropropane	ug/kg	<45.6	1170	1170	1170	952	1090	81	93	59-131	14	23
1,2-Dibromoethane (EDB)	ug/kg	<16.1	1170	1170	1170	1060	1080	90	92	70-130	2	20
1,2-Dichlorobenzene	ug/kg	<18.2	1170	1170	1170	1330	1330	113	113	70-130	0	20
1,2-Dichloroethane	ug/kg	<13.5	1170	1170	1170	1130	1170	96	100	70-130	4	20
1,2-Dichloropropane	ug/kg	<14.0	1170	1170	1170	1130	1140	96	97	77-121	1	20
1,3-Dichlorobenzene	ug/kg	<16.1	1170	1170	1170	1240	1270	105	108	70-130	3	20
1,4-Dichlorobenzene	ug/kg	<16.1	1170	1170	1170	1250	1300	106	111	70-130	4	20
Benzene	ug/kg	<14.0	1170	1170	1170	1070	1100	91	94	70-130	3	20

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QUALITY CONTROL DATA

Project: KLISMITH

Pace Project No.: 40275696

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2691121 2691122												
Parameter	Units	40275696001		MSD		MSD		MS		MSD		
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromodichloromethane	ug/kg	<14.0	1170	1170	1070	1120	91	95	70-130	5	20	
Bromoform	ug/kg	<258	1170	1170	888	912	76	78	67-130	3	20	
Bromomethane	ug/kg	<82.4	1170	1170	1010	995	86	85	25-150	2	20	
Carbon tetrachloride	ug/kg	<12.9	1170	1170	800	918	68	78	48-136	14	20	
Chlorobenzene	ug/kg	<7.0	1170	1170	1200	1210	102	103	70-130	1	20	
Chloroethane	ug/kg	<24.8	1170	1170	908	976	77	83	20-178	7	23	
Chloroform	ug/kg	<42.1	1170	1170	1120	1150	95	98	80-120	3	20	
Chloromethane	ug/kg	<22.3	1170	1170	645	661	55	56	23-132	2	20	
cis-1,2-Dichloroethene	ug/kg	<12.6	1170	1170	1080	1050	92	89	70-130	3	20	
cis-1,3-Dichloropropene	ug/kg	<38.8	1170	1170	960	1000	82	85	70-130	4	20	
Dibromochloromethane	ug/kg	<201	1170	1170	982	1010	84	86	70-130	3	20	
Dichlorodifluoromethane	ug/kg	<25.3	1170	1170	257	275	22	23	10-106	7	34	
Ethylbenzene	ug/kg	<14.0	1170	1170	1060	1100	90	94	80-120	4	20	
Isopropylbenzene (Cumene)	ug/kg	<15.9	1170	1170	932	955	79	81	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<17.3	1170	1170	1030	1040	87	89	67-130	2	20	
Methylene Chloride	ug/kg	<16.3	1170	1170	1100	1160	94	99	70-130	6	20	
Styrene	ug/kg	<15.0	1170	1170	1160	1170	99	100	70-130	1	20	
Tetrachloroethene	ug/kg	<22.8	1170	1170	875	932	74	79	70-130	6	20	
Toluene	ug/kg	<14.8	1170	1170	1060	1120	90	95	80-120	5	20	
trans-1,2-Dichloroethene	ug/kg	<12.8	1170	1170	1030	1030	88	87	70-130	0	20	
trans-1,3-Dichloropropene	ug/kg	<168	1170	1170	946	982	80	84	70-130	4	20	
Trichloroethene	ug/kg	<22.0	1170	1170	1080	1090	92	93	70-130	1	20	
Trichlorofluoromethane	ug/kg	<17.0	1170	1170	682	775	58	66	21-141	13	28	
Vinyl chloride	ug/kg	<11.9	1170	1170	580	601	49	51	29-120	4	20	
Xylene (Total)	ug/kg	<42.4	3520	3520	3170	3310	90	94	70-130	4	20	
1,2-Dichlorobenzene-d4 (S)	%						140	146	67-144			1q
4-Bromofluorobenzene (S)	%						141	147	72-142			1q
Toluene-d8 (S)	%						132	130	70-139			

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QUALITY CONTROL DATA

Project: KLISMITH
 Pace Project No.: 40275696

QC Batch: 469675 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40275696001, 40275696002

SAMPLE DUPLICATE: 2690839

Parameter	Units	40275639001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.3	7.3	0	10	

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QUALIFIERS

Project: KLISMITH

Pace Project No.: 40275696

DEFINITIONS

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

ND - Not Detected at or above LOD.

J - The reported result is an estimated value.

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

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

DL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from analysis of the parent sample and MS that demonstrated similar interference).

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KLISMITH

Pace Project No.: 40275696

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40275696001	B-402-3'	EPA 5035/5030B	469732	EPA 8260	469734
40275696002	B-402-4'	EPA 5035/5030B	469732	EPA 8260	469734
40275696003	TB	EPA 5035/5030B	469732	EPA 8260	469734
40275696001	B-402-3'	ASTM D2974-87	469675		
40275696002	B-402-4'	ASTM D2974-87	469675		

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Pace Location Requested (City/State):
 Pace Analytical Green Bay
 1241 Bellevue Street, Suite 9
 Green Bay, WI 54302

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here



40275696

Scan QR Code for instructions

Company Name: SAND COUNTY ENVIRONMENTAL, INC.
 Street Address: 151 Mill Street,
 Amherst, WI 54406
 Customer Project #:
 Project Name: KLISMITH
 Site Collection Info/Facility ID (as applicable):

Contact/Report To: Pete Arntsen
 Phone #: 715-824-5169
 E-Mail: pete.arntsen@sandcountynv.com
 Cc E-Mail:
 Invoice To: Pete Arntsen
 Invoice E-Mail: pete.arntsen@sandcountynv.com
 Purchase Order # (if applicable):
 Quote #:

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET
 Data Deliverables:
 [] Level II [] Level III [] Level IV
 [] EQUIS
 [] Other

County / State origin of sample(s): Wisconsin
 Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No
 Rush (Pre-approval required):
 [] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other
 Date Results Requested:
 Field Filtered (if applicable): [] Yes [] No
 Analysis:

Specify Container Size **
 6 6
 Identify Container Preservative Type***
 1010
 Analysis Requested

**Container Size (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
 *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine		Percent Moisture	VOC	Sample Comment
			Date	Time	Date	Time		Results	Units			
B-402-3	SS	grab	3/15/24	3:30						X	X	001
B-402-4	SS	"	"	3:30						X	X	002
① TB												003

Proj. Mgr: Dan Milewsky
 AcctNum / Client ID:
 Table #:
 Profile / Template: 4005
 Prelog / Bottle Ord. ID: E2 3085240
 Sample Comment

Preservation non-conformance identified for sample

Additional Instructions from Pace*:
 added to COC by lab mit shohy

Collected By: (Printed Name)
 Signature:

Customer Remarks / Special Conditions / Possible Hazards.

Coolers Thermometer ID Correction Factor (°C) Obs Temp (°C) Corrected Temp. (°C) On Ice

Relinquished by/Company (Signature)
 Relinquished by/Company (Signature)
 Relinquished by/Company (Signature)
 Relinquished by/Company (Signature)

Date/Time
 3/19 8:30
 Date/Time
 3/20/24 0745
 Date/Time
 Date/Time

Received by/Company: (Signature)
 Received by/Company: (Signature)
 Received by/Company: (Signature)
 Received by/Company: (Signature)

Date/Time
 Date/Time
 Date/Time
 Date/Time

Tracking Number.
 Delivered by: [] In-Person [] Courier
 [] FedEx [] UPS [] Other
 Page: 1 of 1

Client Name: Sand County

Sample Preservation Receipt Form

Project # 40275696

All containers needing preservation have been checked and noted below

Yes No N/A

Lab Lot# of pH paper

Lab Std #ID of preservation (if pH adjusted)

Initial when completed

Date/Time

Pace Lab #	Glass						Plastic						Vials					Jars				General		VOA Vials (>6mm) *	H ₂ SO ₄ pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO ₃ pH ≤2	pH after adjusted	Volume (mL)									
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WGFU	WPFU								SP5T	ZPLC	GN 1	GN 2					
001																																							2.5 / 5
002																																							2.5 / 5
003																																							2.5 / 5
004																																							2.5 / 5
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019																																							2.5 / 5
020																																							2.5 / 5

mH 7/20/14

Exceptions to preservation check VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JG9U	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Sand County

WO#: **40275696**

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



40275696

Tracking #: 3847834

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 120 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr 2.0 / Corr 2.0

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 8/20/24 / Initials: mtf
 Labeled By Initials: JB

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay</u> , Pace IR, Non-Pace		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log

Field Notes

Klismith

2/21/24

11

Sampling Point: Ambient Air

Cannister #: 010487

Flow Controller #: 020516

PID: 0.1 ppm

Start time: 10:30

Start pressure: -28

End time: 10:33

End pressure: -3

Notes: Initial hissing + fast movement on the pressure gauge - went to ~ -20 while we were trouble shooting. Went from ~ -15 to ~ -3 in 3 minutes

Sampling Point: SSV 202

Cannister #: 028390

Flow Controller: 011376

PID: 0.2 ppm

Start time: 9:29

Start pressure: -26

End time: 9:35

End pressure: -2

Notes: no issues

Sampling point: SSV201
Canister #: 012566
Flow controller #: ~~011376~~ 023114
PID: 0.2 ppm
Start time: 10:11
Start pressure: -27
End time: 10:16
End pressure: -1
Notes: no issues

3/15/2024 Klesmith

Soil samples

~~2:45~~ Drive site

Weather: mild (40s), Day
breezy

Utilities marked

We shovel to check
surface

- Asphalt covered w/
w/ soil + vegetation

Identify edge and
use ~~various~~ photos
to identify location

We shovel to
excavate topsoil to
roots. Use auger to get
past roots to depth

Collect soil samples
w/ auger starting at
2 ft and then 4 feet

Collect samples in
Zip-bags, then
transfer + preserve.

Backfill hole w/ native

3:45 Leave site