



June 17, 2021

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

Re: Klismith Property (former Newman Appraisal Service)
157 N Main Street
Amherst, Wisconsin
BRRS No. 02-50-550910

Subject: VOC Results

Dear Ms. Lance:

The (former) Newman Appraisal Service chlorinated solvent release site remains open in the files of the Wisconsin Department of Natural Resources (WDNR). In May 2019, groundwater samples were collected from four monitoring wells and one municipal well, and a vapor sample was collected from the sub-slab mitigation system; all samples were analyzed for volatile organic compounds (VOC). The purpose of this letter is to present the analysis results, and to request that you review results with the closure committee and provide a recommended path for the project to achieve closure.

The site location is indicated on **Figure 1**; the site layout and sample locations are shown on **Figure 2**.

Work Performed

Groundwater Sampling

Groundwater samples were collected on May 10, 2019 from four groundwater monitoring wells (MW-1, PZ-1, MW-700, and PZ-900) and one public water supply well (VW#2). The samples were submitted to Pace Analytical – Green Bay for analysis of volatile organic compounds (VOCs). The depth to water in the monitoring wells was measured prior to sampling.

Vapor Sampling

On May 21, 2019, a Suma canister was used to collect a vapor sample from the discharge of the sub-slab mitigation system. The sample was submitted for analysis of VOCs to Pace Analytical – Minneapolis.

Results

Groundwater

The groundwater results were added to a table summarizing the results of samples collected in 2007 (**Table 1**). The only sample that had a detection of a chlorinated compound was MW-1, which had 2.5 µg/l of tetrachloroethene (PCE).

Vapor

The vapor results were added to a table with results from a sub-slab sample collected in 2009 (**Table 2**).

Tetrachloroethene ($2.2 \mu\text{g}/\text{m}^3$) and trichloroethene (TCE) ($1.2 \mu\text{g}/\text{m}^3$) were detected in the vapor sample. Methylene chloride was detected at $85.7 \mu\text{g}/\text{m}^3$, but the occurrence is attributed to cross-contamination from an unidentified source. Trace concentrations of other volatile organic compounds (VOCs) were detected, but the occurrence is attributed to background or other sources unrelated to the PCE release.

The **field notes** and **laboratory reports** are enclosed.

Conclusions and Recommendations

Considering the age of the release, the duration of sub-slab vapor system operation (more than ten years), and the minimal detections of PCE and TCE in the groundwater and vapor samples, it is reasonable that the site be considered for closure. To that end, we request that the data be reviewed by WDNR and that an opinion on the path to closure be discussed.

If you have questions regarding the Klismith Property, please call 715.445.1497 or email pete.arntsen@sandcountyenv.com.

Sincerely,

SAND COUNTY ENVIRONMENTAL, INC.



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

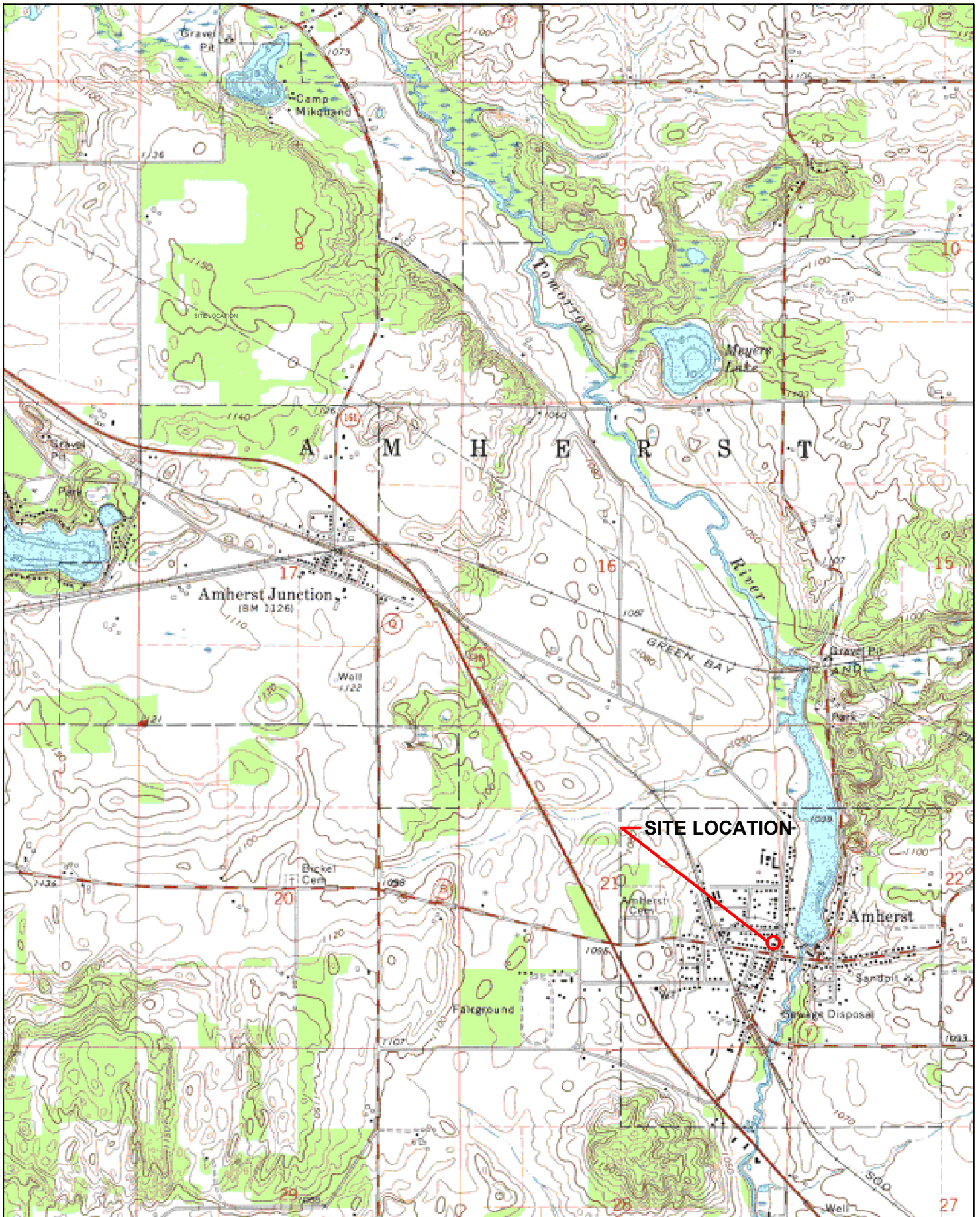
Enclosures: Figures 1 and 2
 Tables 1 and 2
 Field Notes
 Laboratory Reports

cc/enc: Tom Klismith, via email only

Figures

Figure 1 Site Location Map

Figure 2 Site Plan and Sample Locations



SITE LOCATION MAP
AMHERST QUADRANGLE-1969

FORMER NEWMAN APPRAISAL SERVICE
AMHERST, WISCONSIN

FIGURE 1

DATE: DECEMBER 2007
DRAWN BY: RSH



SITE PLAN & SAMPLE LOCATIONS
 FORMER NEWMAN APPRAISAL SERVICE
 AMHERST, WISCONSIN

FIGURE 2
 DATE: JUNE 2021
 DRAWN BY: NRG

Tables

Table 1 Groundwater Chemistry and Water Table Elevation Data

Table 2 Vapor Sample Results

Table 1
Groundwater Chemistry and Water Table Elevation Data
Former Newman Appraisal Services
Amherst, Wisconsin

Sample Location	Date	Depth to Water (feet)*	Water Elevation (feet)*	Tetrachloroethene ug/L	Trichloroethene ug/L	Chloromethane ug/L	Chloroethane ug/L	Other VOCs detected
NR 140 Enforcement Standard				5	5	6	400	
NR 140 Preventive Action Limit				0.5	0.5	0.6	80	
B-1	Top of PVC	--	12/27/2007	--	--			
	Top of Screen	--	5/10/2019	--	--			
	Bottom of Well	--						
B-2	Top of PVC	--	12/27/2007	--	--			
	Top of Screen	--	5/10/2019	--	--			
	Bottom of Well	--						
MW-1	Top of PVC	100.01	4/22/2009	8.67	91.34			
	Top of Screen	95.56	5/10/2019	6.56	93.45			
	Bottom of Well	85.56						
MW-2	Top of PVC	103.99	4/22/2009	12.22	91.77			
	Top of Screen	94.24	5/10/2019	Abandoned				
	Bottom of Well	84.24						
MW-100	Top of PVC	100.18	4/22/2009	9.05	91.13			
	Top of Screen	--	5/10/2019	--	--			
	Bottom of Well	--						
MW-1000	Top of PVC	94.74	4/22/2009	4.10	90.64			
	Top of Screen	--	5/10/2019	--	--			
	Bottom of Well	--						
PZ-1	Top of PVC	100.00	4/22/2009	8.68	91.32			
	Top of Screen	75.25	5/10/2019	6.70	93.30			
	Bottom of Well	70.25						
MW-700	Top of PVC	--	4/22/2009	--	--			
	Top of Screen	--	5/10/2019	8.25	--			
	Bottom of Well	-15.1						
PZ-900	Top of PVC	--	4/22/2009	--	--			
	Top of Screen	--	5/10/2019	7.70	--			
	Bottom of Well	-32.32						
VW#2	Top of PVC	--	4/22/2009	--	--			
	Top of Screen	--	5/10/2019	--	--			
	Bottom of Well	--						

Notes:

- 7.6** Bold result exceeds NR 140 Enforcement Standard (ES)
- 1.8* Italic result exceeds NR 140 Preventive Action Limit (PAL)
- Not Analyzed
- <0.33 No detect (below indicated method detection limit, if known)
- J Concentration is estimated; below quantitation limit

* All elevations are referenced to a benchmark established on PZ-1 by Sand County Environmental (100.00 ft).

Table 2
Vapor Sample Results
Former Newman Appraisal Services
Amherst, Wisconsin

Sample ID	Date	Tetrachloroethene µg/m ³	Trichloroethene µg/m ³	Chloromethane µg/m ³	Dichlorodifluormethane µg/m ³	Trichlorofluormethane µg/m ³	Methylene Chloride µg/m ³
Vapor 1	4/22/2009	13,100	<	<	<	<	<
System Exhaust	5/21/2019	2.2	1.2	0.53 ^J	2.0	1.3 ^J	85.7

Indoor Air Vapor Action Levels¹

Non-Residential	180	8.8	390	440	--	2,600
Residential	42	2.1	94	100	--	630

Sub-Slab Vapor Screening Levels²

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>

Notes:

- < 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 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>].

² Screening level for Residential/Small Commercial Buildings (dilution factor of 33.3).

Field Notes

Laboratory Reports

May 17, 2019

Pete Arntsen
SAND CREEK CONSULTANTS, INC.
151 Mill Street
Amherst, WI 54406

RE: Project: KLISMITH-FORMER NEWMAN
Pace Project No.: 40187638

Dear Pete Arntsen:

Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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CERTIFICATIONS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Green Bay Certification IDs

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

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40187638001	VW #2	Water	05/10/19 10:30	05/15/19 09:20
40187638002	PZ-900	Water	05/10/19 09:35	05/15/19 09:20
40187638003	PZ-1	Water	05/13/19 11:55	05/15/19 09:20
40187638004	MW-700	Water	05/10/19 09:55	05/15/19 09:20
40187638005	MW-1	Water	05/13/19 11:20	05/15/19 09:20

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SAMPLE ANALYTE COUNT

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40187638001	VW #2	EPA 8260	HNW	63
40187638002	PZ-900	EPA 8260	HNW	63
40187638003	PZ-1	EPA 8260	HNW	63
40187638004	MW-700	EPA 8260	HNW	63
40187638005	MW-1	EPA 8260	HNW	63

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SUMMARY OF DETECTION

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40187638004	MW-700					
EPA 8260	1,2,4-Trimethylbenzene	65.1	ug/L	2.8	05/16/19 15:35	
EPA 8260	1,3,5-Trimethylbenzene	8.9	ug/L	2.9	05/16/19 15:35	
EPA 8260	Ethylbenzene	43.1	ug/L	1.0	05/16/19 15:35	
EPA 8260	Isopropylbenzene (Cumene)	2.6J	ug/L	5.0	05/16/19 15:35	
EPA 8260	Naphthalene	4.7J	ug/L	5.0	05/16/19 15:35	
EPA 8260	Toluene	11.1	ug/L	5.0	05/16/19 15:35	
EPA 8260	Xylene (Total)	155	ug/L	3.0	05/16/19 15:35	
EPA 8260	n-Propylbenzene	7.2	ug/L	5.0	05/16/19 15:35	
40187638005	MW-1					
EPA 8260	Tetrachloroethene	2.5	ug/L	1.1	05/16/19 15:58	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: **VW #2** Lab ID: **40187638001** Collected: 05/10/19 10:30 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 11:05	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 11:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 11:05	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 11:05	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 11:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 11:05	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 11:05	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 11:05	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 11:05	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 11:05	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 11:05	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 11:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 11:05	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 11:05	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 11:05	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 11:05	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 11:05	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 11:05	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 11:05	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 11:05	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 11:05	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 11:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 11:05	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 11:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 11:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 11:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 11:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 11:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 11:05	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 11:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 11:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 11:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 11:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 11:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 11:05	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 11:05	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 11:05	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 11:05	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 11:05	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 11:05	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 11:05	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 11:05	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 11:05	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 11:05	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 11:05	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 11:05	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN
Pace Project No.: 40187638

Sample: VW #2 **Lab ID: 40187638001** Collected: 05/10/19 10:30 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 11:05	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 11:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 11:05	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 11:05	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/16/19 11:05	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 11:05	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 11:05	10061-01-5	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 11:05	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 11:05	103-65-1	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 11:05	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 11:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 11:05	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 11:05	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 11:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/16/19 11:05	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		05/16/19 11:05	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/16/19 11:05	2037-26-5	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: PZ-900 Lab ID: 40187638002 Collected: 05/10/19 09:35 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:50	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 14:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:50	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 14:50	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 14:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 14:50	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 14:50	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 14:50	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 14:50	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 14:50	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 14:50	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 14:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 14:50	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:50	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:50	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 14:50	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 14:50	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 14:50	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 14:50	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 14:50	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 14:50	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 14:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 14:50	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 14:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 14:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 14:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 14:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 14:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 14:50	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 14:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 14:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 14:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 14:50	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 14:50	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 14:50	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 14:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 14:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 14:50	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 14:50	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 14:50	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 14:50	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 14:50	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 14:50	127-18-4	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: PZ-900 **Lab ID: 40187638002** Collected: 05/10/19 09:35 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 14:50	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 14:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 14:50	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 14:50	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/16/19 14:50	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 14:50	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 14:50	10061-01-5	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 14:50	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 14:50	103-65-1	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 14:50	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 14:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 14:50	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 14:50	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 14:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/16/19 14:50	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		05/16/19 14:50	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/16/19 14:50	2037-26-5	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: PZ-1 Lab ID: 40187638003 Collected: 05/13/19 11:55 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:13	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 15:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:13	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 15:13	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:13	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:13	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 15:13	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 15:13	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 15:13	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 15:13	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 15:13	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 15:13	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 15:13	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:13	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:13	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:13	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 15:13	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 15:13	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 15:13	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 15:13	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 15:13	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 15:13	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 15:13	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 15:13	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:13	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 15:13	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 15:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 15:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 15:13	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 15:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 15:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 15:13	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 15:13	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 15:13	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 15:13	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 15:13	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 15:13	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:13	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 15:13	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 15:13	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 15:13	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:13	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 15:13	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 15:13	127-18-4	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: PZ-1 **Lab ID: 40187638003** Collected: 05/13/19 11:55 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 15:13	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 15:13	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 15:13	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/16/19 15:13	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 15:13	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 15:13	10061-01-5	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:13	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 15:13	103-65-1	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 15:13	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 15:13	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 15:13	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 15:13	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 15:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/16/19 15:13	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/16/19 15:13	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/16/19 15:13	2037-26-5	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: **MW-700** Lab ID: **40187638004** Collected: 05/10/19 09:55 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:35	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 15:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:35	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 15:35	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:35	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:35	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 15:35	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 15:35	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 15:35	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 15:35	120-82-1	
1,2,4-Trimethylbenzene	65.1	ug/L	2.8	0.84	1		05/16/19 15:35	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 15:35	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 15:35	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:35	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:35	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:35	78-87-5	
1,3,5-Trimethylbenzene	8.9	ug/L	2.9	0.87	1		05/16/19 15:35	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 15:35	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 15:35	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 15:35	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 15:35	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 15:35	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 15:35	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 15:35	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 15:35	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 15:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 15:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 15:35	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 15:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 15:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 15:35	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 15:35	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 15:35	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 15:35	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 15:35	108-20-3	
Ethylbenzene	43.1	ug/L	1.0	0.22	1		05/16/19 15:35	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:35	87-68-3	
Isopropylbenzene (Cumene)	2.6J	ug/L	5.0	0.39	1		05/16/19 15:35	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 15:35	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 15:35	75-09-2	
Naphthalene	4.7J	ug/L	5.0	1.2	1		05/16/19 15:35	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 15:35	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		05/16/19 15:35	127-18-4	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: MW-700 **Lab ID: 40187638004** Collected: 05/10/19 09:55 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	11.1	ug/L	5.0	0.17	1		05/16/19 15:35	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 15:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 15:35	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:35	75-01-4	
Xylene (Total)	155	ug/L	3.0	1.5	1		05/16/19 15:35	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 15:35	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 15:35	10061-01-5	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:35	104-51-8	
n-Propylbenzene	7.2	ug/L	5.0	0.81	1		05/16/19 15:35	103-65-1	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 15:35	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 15:35	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 15:35	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 15:35	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 15:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		05/16/19 15:35	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		05/16/19 15:35	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/16/19 15:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: MW-1 **Lab ID: 40187638005** Collected: 05/13/19 11:20 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:58	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		05/16/19 15:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:58	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		05/16/19 15:58	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		05/16/19 15:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:58	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		05/16/19 15:58	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		05/16/19 15:58	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		05/16/19 15:58	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		05/16/19 15:58	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		05/16/19 15:58	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		05/16/19 15:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		05/16/19 15:58	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:58	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:58	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		05/16/19 15:58	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		05/16/19 15:58	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		05/16/19 15:58	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		05/16/19 15:58	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		05/16/19 15:58	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		05/16/19 15:58	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		05/16/19 15:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		05/16/19 15:58	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		05/16/19 15:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		05/16/19 15:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		05/16/19 15:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		05/16/19 15:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		05/16/19 15:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		05/16/19 15:58	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		05/16/19 15:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		05/16/19 15:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		05/16/19 15:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		05/16/19 15:58	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		05/16/19 15:58	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		05/16/19 15:58	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		05/16/19 15:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		05/16/19 15:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		05/16/19 15:58	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		05/16/19 15:58	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		05/16/19 15:58	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		05/16/19 15:58	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		05/16/19 15:58	100-42-5	
Tetrachloroethene	2.5	ug/L	1.1	0.33	1		05/16/19 15:58	127-18-4	

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ANALYTICAL RESULTS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Sample: MW-1 **Lab ID: 40187638005** Collected: 05/13/19 11:20 Received: 05/15/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		05/16/19 15:58	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		05/16/19 15:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		05/16/19 15:58	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		05/16/19 15:58	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		05/16/19 15:58	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		05/16/19 15:58	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		05/16/19 15:58	10061-01-5	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		05/16/19 15:58	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		05/16/19 15:58	103-65-1	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		05/16/19 15:58	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		05/16/19 15:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		05/16/19 15:58	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		05/16/19 15:58	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		05/16/19 15:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/16/19 15:58	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		05/16/19 15:58	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		05/16/19 15:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

QC Batch: 321477 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40187638001, 40187638002, 40187638003, 40187638004, 40187638005

METHOD BLANK: 1867014 Matrix: Water
 Associated Lab Samples: 40187638001, 40187638002, 40187638003, 40187638004, 40187638005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/16/19 08:06	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/16/19 08:06	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/16/19 08:06	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/16/19 08:06	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/16/19 08:06	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/16/19 08:06	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/16/19 08:06	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/16/19 08:06	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/16/19 08:06	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/16/19 08:06	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/16/19 08:06	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/16/19 08:06	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/16/19 08:06	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/16/19 08:06	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/16/19 08:06	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/16/19 08:06	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/16/19 08:06	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/16/19 08:06	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/16/19 08:06	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/16/19 08:06	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/16/19 08:06	
2-Chlorotoluene	ug/L	<0.93	5.0	05/16/19 08:06	
4-Chlorotoluene	ug/L	<0.76	2.5	05/16/19 08:06	
Benzene	ug/L	<0.25	1.0	05/16/19 08:06	
Bromobenzene	ug/L	<0.24	1.0	05/16/19 08:06	
Bromochloromethane	ug/L	<0.36	5.0	05/16/19 08:06	
Bromodichloromethane	ug/L	<0.36	1.2	05/16/19 08:06	
Bromoform	ug/L	<4.0	13.2	05/16/19 08:06	
Bromomethane	ug/L	<0.97	5.0	05/16/19 08:06	
Carbon tetrachloride	ug/L	<0.17	1.0	05/16/19 08:06	
Chlorobenzene	ug/L	<0.71	2.4	05/16/19 08:06	
Chloroethane	ug/L	<1.3	5.0	05/16/19 08:06	
Chloroform	ug/L	<1.3	5.0	05/16/19 08:06	
Chloromethane	ug/L	<2.2	7.3	05/16/19 08:06	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/16/19 08:06	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/16/19 08:06	
Dibromochloromethane	ug/L	<2.6	8.7	05/16/19 08:06	
Dibromomethane	ug/L	<0.94	3.1	05/16/19 08:06	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/16/19 08:06	
Diisopropyl ether	ug/L	<1.9	6.3	05/16/19 08:06	
Ethylbenzene	ug/L	<0.22	1.0	05/16/19 08:06	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

METHOD BLANK: 1867014

Matrix: Water

Associated Lab Samples: 40187638001, 40187638002, 40187638003, 40187638004, 40187638005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/16/19 08:06	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/16/19 08:06	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/16/19 08:06	
Methylene Chloride	ug/L	<0.58	5.0	05/16/19 08:06	
n-Butylbenzene	ug/L	<0.71	2.4	05/16/19 08:06	
n-Propylbenzene	ug/L	<0.81	5.0	05/16/19 08:06	
Naphthalene	ug/L	<1.2	5.0	05/16/19 08:06	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/16/19 08:06	
sec-Butylbenzene	ug/L	<0.85	5.0	05/16/19 08:06	
Styrene	ug/L	<0.47	1.6	05/16/19 08:06	
tert-Butylbenzene	ug/L	<0.30	1.0	05/16/19 08:06	
Tetrachloroethene	ug/L	<0.33	1.1	05/16/19 08:06	
Toluene	ug/L	<0.17	5.0	05/16/19 08:06	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/16/19 08:06	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/16/19 08:06	
Trichloroethene	ug/L	<0.26	1.0	05/16/19 08:06	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/16/19 08:06	
Vinyl chloride	ug/L	<0.17	1.0	05/16/19 08:06	
Xylene (Total)	ug/L	<1.5	3.0	05/16/19 08:06	
4-Bromofluorobenzene (S)	%	100	70-130	05/16/19 08:06	
Dibromofluoromethane (S)	%	99	70-130	05/16/19 08:06	
Toluene-d8 (S)	%	96	70-130	05/16/19 08:06	

LABORATORY CONTROL SAMPLE: 1867015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.6	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	70-130	
1,1,2-Trichloroethane	ug/L	50	52.0	104	70-130	
1,1-Dichloroethane	ug/L	50	52.7	105	73-150	
1,1-Dichloroethene	ug/L	50	54.7	109	73-138	
1,2,4-Trichlorobenzene	ug/L	50	47.5	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.5	85	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	51.4	103	70-130	
1,2-Dichlorobenzene	ug/L	50	48.1	96	70-130	
1,2-Dichloroethane	ug/L	50	51.1	102	75-140	
1,2-Dichloropropane	ug/L	50	51.0	102	73-135	
1,3-Dichlorobenzene	ug/L	50	47.4	95	70-130	
1,4-Dichlorobenzene	ug/L	50	47.6	95	70-130	
Benzene	ug/L	50	53.3	107	70-130	
Bromodichloromethane	ug/L	50	55.3	111	70-130	
Bromoform	ug/L	50	47.1	94	68-129	
Bromomethane	ug/L	50	39.7	79	18-159	
Carbon tetrachloride	ug/L	50	50.8	102	70-130	

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QUALITY CONTROL DATA

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

LABORATORY CONTROL SAMPLE: 1867015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	47.0	94	53-147	
Chloroform	ug/L	50	52.0	104	74-136	
Chloromethane	ug/L	50	36.7	73	29-115	
cis-1,2-Dichloroethene	ug/L	50	52.1	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	44.0	88	70-130	
Dibromochloromethane	ug/L	50	46.6	93	70-130	
Dichlorodifluoromethane	ug/L	50	39.6	79	10-130	
Ethylbenzene	ug/L	50	52.9	106	80-124	
Isopropylbenzene (Cumene)	ug/L	50	53.3	107	70-130	
Methyl-tert-butyl ether	ug/L	50	51.5	103	54-137	
Methylene Chloride	ug/L	50	52.8	106	73-138	
Styrene	ug/L	50	53.1	106	70-130	
Tetrachloroethene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	51.6	103	80-126	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	73-145	
trans-1,3-Dichloropropene	ug/L	50	42.1	84	70-130	
Trichloroethene	ug/L	50	54.7	109	70-130	
Trichlorofluoromethane	ug/L	50	54.4	109	76-147	
Vinyl chloride	ug/L	50	47.1	94	51-120	
Xylene (Total)	ug/L	150	160	107	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1867051 1867052

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40187619003 Result	Spike Conc.	Spike Conc.	Conc.							
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50.2	52.1	100	104	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.7	49.9	95	100	70-130	5	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	51.3	53.9	103	108	70-137	5	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	51.9	54.6	104	109	73-153	5	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	54.5	56.5	109	113	73-138	4	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.4	51.3	98	102	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	42.9	44.6	86	89	58-129	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.8	53.7	102	107	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	47.7	49.4	95	99	70-130	4	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50.6	51.5	101	103	75-140	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50.8	52.6	102	105	71-138	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	47.9	49.1	96	98	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.7	49.7	96	98	70-130	2	20	
Benzene	ug/L	<0.25	50	50	53.1	55.0	106	110	70-130	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	55.0	56.5	110	113	70-130	3	20	

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QUALITY CONTROL DATA

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Parameter	Units	1867051		1867052		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40187619003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Bromoform	ug/L	<4.0	50	50	46.7	48.7	93	97	68-129	4	20		
Bromomethane	ug/L	<0.97	50	50	43.3	45.5	87	91	15-170	5	20		
Carbon tetrachloride	ug/L	<0.17	50	50	50.8	52.1	102	104	70-130	3	20		
Chlorobenzene	ug/L	<0.71	50	50	49.8	51.2	99	102	70-130	3	20		
Chloroethane	ug/L	<1.3	50	50	45.6	48.0	91	96	51-148	5	20		
Chloroform	ug/L	<1.3	50	50	51.3	52.9	103	106	74-136	3	20		
Chloromethane	ug/L	<2.2	50	50	36.2	38.8	72	78	23-115	7	20		
cis-1,2-Dichloroethene	ug/L	0.32J	50	50	51.9	53.7	103	107	70-131	3	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.9	48.3	94	97	70-130	3	20		
Dibromochloromethane	ug/L	<2.6	50	50	46.5	48.2	93	96	70-130	4	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	39.0	40.0	78	80	10-132	2	20		
Ethylbenzene	ug/L	<0.22	50	50	53.1	54.8	106	110	80-125	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	54.0	55.3	108	111	70-130	2	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	51.7	54.3	103	109	51-145	5	20		
Methylene Chloride	ug/L	<0.58	50	50	52.8	54.3	106	109	73-140	3	20		
Styrene	ug/L	<0.47	50	50	53.4	55.1	107	110	70-130	3	20		
Tetrachloroethene	ug/L	<0.33	50	50	53.6	55.2	107	110	70-130	3	20		
Toluene	ug/L	<0.17	50	50	52.1	53.4	104	107	80-131	3	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	53.0	54.4	106	109	73-148	3	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	45.0	47.0	90	94	70-130	4	20		
Trichloroethene	ug/L	<0.26	50	50	54.6	55.5	109	111	70-130	2	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	54.0	55.6	108	111	74-147	3	20		
Vinyl chloride	ug/L	<0.17	50	50	46.5	48.4	93	97	41-129	4	20		
Xylene (Total)	ug/L	<1.5	150	150	162	167	108	112	70-130	3	20		
4-Bromofluorobenzene (S)	%						105	104	70-130				
Dibromofluoromethane (S)	%						100	101	70-130				
Toluene-d8 (S)	%						95	95	70-130				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

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 - Estimated concentration at or above the LOD and below the LOQ.

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.

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 - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: KLISMITH-FORMER NEWMAN

Pace Project No.: 40187638

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187638001	VW #2	EPA 8260	321477		
40187638002	PZ-900	EPA 8260	321477		
40187638003	PZ-1	EPA 8260	321477		
40187638004	MW-700	EPA 8260	321477		
40187638005	MW-1	EPA 8260	321477		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Sand Creek
 Branch/Location: Amherst
 Project Contact: Pete Arntsen
 Phone: 715-824-5969
 Project Number: KLSmiths - former
 Project Name: CU
 Project State: IL
 Sampled By (Print): Pete Arntsen
 Sampled By (Sign): [Signature]
 PO #: [Blank]
 Regulator: [Blank]

Data Package Options
 EPA Level III
 EPA Level IV
 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

Page Lab # CLIENT FIELD ID
 001 VW#2
 002 PZ-902
 003 PZ-1
 004 MW-700
 005 MW-1

DATE COLLECTION TIME MATRIX
 5/10 10:30 GW
 5/10 9:35
 5/13 11:55
 5/10 9:55
 5/13 11:30



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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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)

Analyses Requested

Y/N	Pick Letter	Analysis
N		
B		
		VOC
X		
X		
X		
X		
X		

Relinquished By:	Date/Time:	Received By:	Date/Time:
[Signature]	5/14/2019	[Signature]	5/15/2019
[Signature]	5/15/2019	[Signature]	5/15/2019

Quote #: [Blank]

Mail To Contact: Pete Arntsen
 Sand Creek
 PO Box 218
 Amherst, WI

Mail To Company: [Blank]

Mail To Address: [Blank]

Invoice To Contact: [Blank]

Invoice To Company: [Blank]

Invoice To Address: [Blank]

Invoice To Phone: [Blank]

CLIENT COMMENTS: [Blank]

LAB COMMENTS (Lab Use Only): [Blank]

Profile #: [Blank]

Receipt Temp = [Blank] °C
 Sample Receipt pH: [Blank]
 Cooler/Cap/Seal Present / Not Present: [Blank]
 Intact / Not Intact: [Blank]

UPPER MIDWEST REGION
 MN: 612-807-1700 WI: 920-469-2436

40187638

Sample Preservation Receipt Form

Client Name: Sand Creek Project # 40187638

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 Analytical Services, LLC
 1241 Bellevue Street, Suite 95
 Green Bay, WI 54302

Pace Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH <=	NaOH+Zn Act pH >=9	NaOH pH >=12	HNO3 pH <=	pH after adjusted	Volume (mL)						
													BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N
001												2.5 / 5 / 10						
002												2.5 / 5 / 10						
003												2.5 / 5 / 10						
004												2.5 / 5 / 10						
005												2.5 / 5 / 10						
006												2.5 / 5 / 10						
007												2.5 / 5 / 10						
008												2.5 / 5 / 10						
009												2.5 / 5 / 10						
010												2.5 / 5 / 10						
011												2.5 / 5 / 10						
012												2.5 / 5 / 10						
013												2.5 / 5 / 10						
014												2.5 / 5 / 10						
015												2.5 / 5 / 10						
016												2.5 / 5 / 10						
017												2.5 / 5 / 10						
018												2.5 / 5 / 10						
019												2.5 / 5 / 10						
020												2.5 / 5 / 10						

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	BP1U	DG9A	JGFU	SP5T
1 liter amber glass	1 liter plastic unpres	40 ml amber ascorbic	4 oz amber jar unpres	120 mL plastic Na Thiosulfate ziploc bag
AG1H	BP2N	DG9T	WGFU	ZPLC
1 liter amber glass HCL	500 mL plastic HNO3	40 mL clear vial Thio	4 oz clear jar unpres	ziploc bag
AG4S	BP2Z	VG9U	WPFU	GN:
125 mL amber glass H2SO4	500 mL plastic NaOH, Znact	40 mL clear vial unpres	4 oz plastic jar unpres	
AG4U	BP3U	VG9H		
120 mL amber glass unpres	250 mL plastic unpres	40 mL clear vial HCL		
AG5U	BP3B	VG9M		
100 mL amber glass unpres	250 mL plastic NaOH	40 mL clear vial MeOH		
AG2S	BP3N	VG9D		
500 mL amber glass H2SO4	250 mL plastic HNO3	40 mL clear vial DI		
BG3U	BP3S			
250 mL clear glass unpres	250 mL plastic H2SO4			

Sample Condition Upon Receipt Form (SCUR)

Client Name: Sand Creek
Courier: CS Logistics Fed Ex Speedee UPS **Waltco**
 Client Pace Other: _____

Project #: _____
WO#: 40187638

40187638

Tracking #: 2055341-1
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 - N/A **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature: Uncorr: 80°F / ICorr: _____

Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Person examining contents:
 Date: 5/15/2019
 Initials: SV

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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO Page #</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>5/15/2019</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4. <u>2019</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- 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.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
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>W</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: _____