

Endpoint Solutions

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Mr. John Feeney
Wisconsin Department of Natural Resources
1155 Pilgrim Parkway
Plymouth, WI 53073

December 3, 2021

Subject: Report of Results – Winter 2021 Groundwater Monitoring Event
Arkema Coating Resins
340 Railroad Street, Saukville, Wisconsin
WDNR BRRTS: 02-46-000767 / FID: 246004330

Dear John:

Per the Wisconsin Department of Natural Resources (WDNR) approved Revised Groundwater Monitoring Plan, a groundwater sample was collected from the Village of Saukville Municipal Well No. 1 (MW-1) for volatile organic compound (VOC) analysis in January 2021. A duplicate sample and a trip blank sample were also analyzed.

SAMPLING NARRATIVE

On January 19, 2021, Mr. Tim Petrick of Endpoint Solutions Corp. (Endpoint) met Village of Saukville Water Utility staff at municipal well MW-1 to collect a groundwater sample from this location. Upon arriving, the sampling tap on the well head was opened and water was allowed to purge from the well to the floor drain for approximately five (5) minutes prior to collecting the sample. A parent sample (MW-1-21-1) and a blind duplicate sample (DUP1-21-1) were randomly collected in six (6) 40 milliliter vials preserved with hydrochloric acid for VOC analysis using EPA Method SW846 8260B. The samples were labeled, packaged in a cooler on ice and prepared for shipping via courier to Eurofins TestAmerica, Chicago (TestAmerica) located in University Park, Illinois, Wisconsin (Certification # 999580010).

SAMPLE RESULTS

Results of the analysis indicated the sample (MW-1-21-1) and blind duplicate sample (DUP1-21-1) collected from MW-1 were analyzed without any dilution. No VOC constituents were detected above the limit of detection (LOD) in either of the field collected samples. In addition, the trip blank (TB1-21-1) sample supplied by TestAmerica was also free of any detectable VOC constituents. Analytical results are summarized on the attached **Table 1 – Municipal Well Results**. Copies of the analytical report and the chain-of-custody form are also attached.

OVERALL SUMMARY OF DATA USABILITY

The content of the data package, including raw data, sample custody records, and field and laboratory Quality Assurance/Quality Control (QA/QC) data were evaluated for consistency with EPA protocol. The data was also evaluated for compliance with the Data Quality Objectives provided in the project-specific Quality Assurance Plan.

The data package validation procedures were based on the criteria outlined in the “Functional Guidelines for Organic Data Review”, (USEPA, 1999) and the “Contract Laboratory Program National Functional Guidelines for Inorganic Data Review”, (USEPA, 2002).

The analytical data is usable for this site as qualified.

Endpoint collected one (1) field investigative and one (1) field duplicate water sample on January 19, 2021. In addition, one (1) Trip Blank sample was provided by TestAmerica with the empty glassware and traveled back to TestAmerica with the collected samples. The samples were identified as data set 500-193920-1 with individual sample identifiers of 1 through 3.

The samples were analyzed at TestAmerica.

SW846 Method 8260B (VOCs – Standard List):

MW-1-21-1 DUP1-21-1 TB1-21-1

GC/MS ANALYSIS FOR VOLATILE COMPOUNDS (8260)

Sample Receipt

All samples were received by the laboratory on ice.

Holding Times

All method holding times were met for sample preparation and sample analysis.

Calibration

All method acceptance criteria were met for initial and continuing verification calibration.

Field Duplicate Samples

One (1) Field Duplicate was submitted: DUP1-21-1. No VOCs were detected above LODs in either the parent (MW-1-21-1) or the duplicate (DUP1-21-1).

Surrogate Spikes

Each sample was spiked with known concentrations of four (4) surrogates. Surrogate recoveries were all within acceptable standards.

Trip Blank

One (1) Trip Blank (TB1-21-1) was provided by TestAmerica with the empty glassware and traveled back to TestAmerica with the collected samples. No VOC constituents were detected in the trip blank submitted with the samples.

CLOSING

We trust the information contained in this letter clearly and concisely reports the results of the January 2021 groundwater monitoring event. If you have any questions regarding the results reported herein, please feel free to contact me directly at 414-858-1202.

Sincerely,

Endpoint Solutions



Robert A. Cigale, P.G.
Principal Consultant

cc: Keith Linton – Retia USA

Table 1

Municipal Water Supply Wells - VOC Results
Arkema Coating Resins
Saukville, Wisconsin

	Sample ID	MW-1-21-1	DUP1-21-1	TB1-21-1		
	Collection Date	1/19/2021	1/19/2021	----		
	Laboratory ID	500-193920-1	500-193920-2	500-193920-3		
	Duplicate Parent		(MW-1-21-1)			
	Monitoring Objective	Receptor				
	Hydrogeologic Unit	Deep Dolomite				
	Dilution	1	1	1		
Parameter	PAL	ES	Units			
Benzene	0.5	5	µg/L	<0.15	<0.15	<0.15
Bromobenzene	-	-	µg/L	<0.36	<0.36	<0.36
Bromochloromethane	-	-	µg/L	<0.43	<0.43	<0.43
Bromodichloromethane	0.06	0.6	µg/L	<0.37	<0.37	<0.37
Bromoform	0.44	4.4	µg/L	<0.48	<0.48	<0.48
Bromomethane	1	10	µg/L	<0.80	<0.80	<0.80
Carbon tetrachloride	0.5	5	µg/L	<0.38	<0.38	<0.38
Chlorobenzene (Monochlorobenzene)	20	100	µg/L	<0.39	<0.39	<0.39
Chloroethane	80	400	µg/L	<0.51	<0.51	<0.51
Chloroform	0.6	6	µg/L	<0.37	<0.37	<0.37
Chloromethane	3	30	µg/L	<0.32	<0.32	<0.32
2-Chlorotoluene	-	-	µg/L	<0.31	<0.31	<0.31
4-Chlorotoluene	-	-	µg/L	<0.35	<0.35	<0.35
cis-1,2-Dichloroethene	7	70	µg/L	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	0.04	0.4	µg/L	<0.42	<0.42	<0.42
Dibromochloromethane	6	60	µg/L	<0.49	<0.49	<0.49
1,2-Dibromo-3-Chloropropane	0.02	0.2	µg/L	<2.0	<2.0	<2.0
1,2-Dichloroethane	0.5	5	µg/L	<0.39	<0.39	<0.39
Dibromomethane	0.005	0.05	µg/L	<0.27	<0.27	<0.27
1,2-Dichlorobenzene	60	600	µg/L	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	120	600	µg/L	<0.40	<0.40	<0.40
1,4-Dichlorobenzene	15	75	µg/L	<0.36	<0.36	<0.36
Dichlorodifluoromethane	200	1,000	µg/L	<0.67	<0.67	<0.67
1,1-Dichloroethane	85	850	µg/L	<0.41	<0.41	<0.41
1,2-Dibromoethane	20	100	µg/L	<0.39	<0.39	<0.39
1,1-Dichloroethene	0.7	7	µg/L	<0.39	<0.39	<0.39
1,2-Dichloropropane	0.5	5	µg/L	<0.43	<0.43	<0.43
1,3-Dichloropropane	0.04	0.4	µg/L	<0.36	<0.36	<0.36
2,2-Dichloropropane	-	-	µg/L	<0.44	<0.44	<0.44
1,1-Dichloropropene	-	-	µg/L	<0.30	<0.30	<0.30
Ethylbenzene	140	700	µg/L	<0.18	<0.18	<0.18
Hexachlorobutadiene	-	-	µg/L	<0.45	<0.45	<0.45
Isopropylbenzene	-	-	µg/L	<0.39	<0.39	<0.39
Isopropyl ether	-	-	µg/L	<0.28	<0.28	<0.28
Methylene Chloride	0.5	5	µg/L	<1.6	<1.6	<1.6
Methyl tert-butyl ether (MTBE)	12	60	µg/L	<0.39	<0.39	<0.39
Naphthalene	10	100	µg/L	<0.34	<0.34	<0.34
n-Butylbenzene	-	-	µg/L	<0.39	<0.39	<0.39
N-Propylbenzene	-	-	µg/L	<0.41	<0.41	<0.41
p-Isopropyltoluene	-	-	µg/L	<0.36	<0.36	<0.36
sec-Butylbenzene	-	-	µg/L	<0.40	<0.40	<0.40
Styrene	10	100	µg/L	<0.39	<0.39	<0.39
tert-Butylbenzene	-	-	µg/L	<0.40	<0.40	<0.40
1,1,1,2-Tetrachloroethane	7	70	µg/L	<0.46	<0.46	<0.46
1,1,2,2-Tetrachloroethane	0.02	0.2	µg/L	<0.40	<0.40	<0.40
Tetrachloroethene (PCE)	0.5	5	µg/L	<0.37	<0.37	<0.37
Toluene	160	800	µg/L	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	20	100	µg/L	<0.35	<0.35	<0.35
trans-1,3-Dichloropropene	0.04	0.4	µg/L	<0.36	<0.36	<0.36
1,2,3-Trichlorobenzene	-	-	µg/L	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	14	70	µg/L	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	40	200	µg/L	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	0.5	5	µg/L	<0.35	<0.35	<0.35
Trichloroethene (TCE)	0.5	5	µg/L	<0.16	<0.16	<0.16
Trichlorofluoromethane	698	3,490	µg/L	<0.43	<0.43	<0.43
1,2,3-Trichloropropane	12	60	µg/L	<0.41	<0.41	<0.41
1,2,4-Trimethylbenzene	96	480	µg/L	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	-	-	µg/L	<0.25	<0.25	<0.25
Vinyl Chloride	0.02	0.2	µg/L	<0.20	<0.20	<0.20
Xylenes, Total	400	2,000	µg/L	<0.22	<0.22	<0.22
Total VOCs			µg/L	0.0	0.0	0.0

Indicates concentration in exceedance of Wisconsin Administrative Code Chapter NR140 Preventive Action Limit (PAL)
Indicates concentration in exceedance of Wisconsin Administrative Code Chapter NR140 Enforcement Standard (ES)

VOC - volatile organic compound
µg/L - micrograms per liter
mg/L - milligrams per liter

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-193920-1

Client Project/Site: Arkema - Saukville 341-021-002:002

For:

Endpoint Solutions Corp
6871 S. Lover's Lane
Franklin, Wisconsin 53132

Attn: Mr. Tim Petrick



Authorized for release by:
2/2/2021 9:28:06 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Job ID: 500-193920-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-193920-1

Comments

No additional comments.

Receipt

The samples were received on 1/20/2021 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: MW-1-21-1

Lab Sample ID: 500-193920-1

No Detections.

Client Sample ID: Dup 1-21-1

Lab Sample ID: 500-193920-2

No Detections.

Client Sample ID: TB 1-21-1

Lab Sample ID: 500-193920-3

No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



Sample Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-193920-1	MW-1-21-1	Water	01/19/21 08:00	01/20/21 09:30	
500-193920-2	Dup 1-21-1	Water	01/19/21 08:05	01/20/21 09:30	
500-193920-3	TB 1-21-1	Water	01/19/21 00:00	01/20/21 09:30	

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: MW-1-21-1

Lab Sample ID: 500-193920-1

Date Collected: 01/19/21 08:00

Matrix: Water

Date Received: 01/20/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/21/21 12:50	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/21/21 12:50	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/21/21 12:50	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/21/21 12:50	1
Bromoform	<0.48		1.0	0.48	ug/L			01/21/21 12:50	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/21/21 12:50	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/21/21 12:50	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/21/21 12:50	1
Chloroform	<0.37		2.0	0.37	ug/L			01/21/21 12:50	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/21/21 12:50	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/21/21 12:50	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/21/21 12:50	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/21/21 12:50	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/21/21 12:50	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/21/21 12:50	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/21/21 12:50	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/21/21 12:50	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/21/21 12:50	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/21/21 12:50	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/21/21 12:50	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/21/21 12:50	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/21/21 12:50	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/21/21 12:50	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/21/21 12:50	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/21/21 12:50	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/21/21 12:50	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/21/21 12:50	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/21/21 12:50	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/21/21 12:50	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/21/21 12:50	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/21/21 12:50	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/21/21 12:50	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/21/21 12:50	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 12:50	1
Styrene	<0.39		1.0	0.39	ug/L			01/21/21 12:50	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 12:50	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/21/21 12:50	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/21/21 12:50	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/21/21 12:50	1
Toluene	<0.15		0.50	0.15	ug/L			01/21/21 12:50	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/21/21 12:50	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/21/21 12:50	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: MW-1-21-1

Lab Sample ID: 500-193920-1

Date Collected: 01/19/21 08:00

Matrix: Water

Date Received: 01/20/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/21/21 12:50	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/21/21 12:50	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/21/21 12:50	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/21/21 12:50	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/21/21 12:50	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/21/21 12:50	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/21/21 12:50	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/21/21 12:50	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/21/21 12:50	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/21/21 12:50	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/21/21 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		01/21/21 12:50	1
Dibromofluoromethane (Surr)	84		75 - 120		01/21/21 12:50	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		01/21/21 12:50	1
Toluene-d8 (Surr)	96		75 - 120		01/21/21 12:50	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: Dup 1-21-1

Lab Sample ID: 500-193920-2

Date Collected: 01/19/21 08:05

Matrix: Water

Date Received: 01/20/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/21/21 13:17	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/21/21 13:17	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/21/21 13:17	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/21/21 13:17	1
Bromoform	<0.48		1.0	0.48	ug/L			01/21/21 13:17	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/21/21 13:17	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/21/21 13:17	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/21/21 13:17	1
Chloroform	<0.37		2.0	0.37	ug/L			01/21/21 13:17	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/21/21 13:17	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/21/21 13:17	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/21/21 13:17	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/21/21 13:17	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/21/21 13:17	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/21/21 13:17	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/21/21 13:17	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/21/21 13:17	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/21/21 13:17	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/21/21 13:17	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/21/21 13:17	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/21/21 13:17	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/21/21 13:17	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/21/21 13:17	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/21/21 13:17	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/21/21 13:17	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/21/21 13:17	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/21/21 13:17	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/21/21 13:17	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/21/21 13:17	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/21/21 13:17	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/21/21 13:17	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/21/21 13:17	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/21/21 13:17	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 13:17	1
Styrene	<0.39		1.0	0.39	ug/L			01/21/21 13:17	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 13:17	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/21/21 13:17	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/21/21 13:17	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/21/21 13:17	1
Toluene	<0.15		0.50	0.15	ug/L			01/21/21 13:17	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/21/21 13:17	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/21/21 13:17	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: Dup 1-21-1

Lab Sample ID: 500-193920-2

Date Collected: 01/19/21 08:05

Matrix: Water

Date Received: 01/20/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/21/21 13:17	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/21/21 13:17	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/21/21 13:17	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/21/21 13:17	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/21/21 13:17	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/21/21 13:17	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/21/21 13:17	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/21/21 13:17	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/21/21 13:17	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/21/21 13:17	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/21/21 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		01/21/21 13:17	1
Dibromofluoromethane (Surr)	86		75 - 120		01/21/21 13:17	1
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		01/21/21 13:17	1
Toluene-d8 (Surr)	95		75 - 120		01/21/21 13:17	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: TB 1-21-1

Lab Sample ID: 500-193920-3

Date Collected: 01/19/21 00:00

Matrix: Water

Date Received: 01/20/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			01/21/21 13:44	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/21/21 13:44	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/21/21 13:44	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/21/21 13:44	1
Bromoform	<0.48		1.0	0.48	ug/L			01/21/21 13:44	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/21/21 13:44	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/21/21 13:44	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/21/21 13:44	1
Chloroform	<0.37		2.0	0.37	ug/L			01/21/21 13:44	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/21/21 13:44	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/21/21 13:44	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/21/21 13:44	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/21/21 13:44	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/21/21 13:44	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/21/21 13:44	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/21/21 13:44	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/21/21 13:44	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/21/21 13:44	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/21/21 13:44	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/21/21 13:44	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/21/21 13:44	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/21/21 13:44	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/21/21 13:44	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/21/21 13:44	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/21/21 13:44	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/21/21 13:44	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/21/21 13:44	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/21/21 13:44	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/21/21 13:44	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/21/21 13:44	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/21/21 13:44	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/21/21 13:44	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/21/21 13:44	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 13:44	1
Styrene	<0.39		1.0	0.39	ug/L			01/21/21 13:44	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 13:44	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/21/21 13:44	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/21/21 13:44	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/21/21 13:44	1
Toluene	<0.15		0.50	0.15	ug/L			01/21/21 13:44	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/21/21 13:44	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/21/21 13:44	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: TB 1-21-1

Lab Sample ID: 500-193920-3

Date Collected: 01/19/21 00:00

Matrix: Water

Date Received: 01/20/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/21/21 13:44	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/21/21 13:44	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/21/21 13:44	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/21/21 13:44	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/21/21 13:44	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/21/21 13:44	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/21/21 13:44	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/21/21 13:44	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/21/21 13:44	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/21/21 13:44	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/21/21 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		01/21/21 13:44	1
Dibromofluoromethane (Surr)	85		75 - 120		01/21/21 13:44	1
1,2-Dichloroethane-d4 (Surr)	96		75 - 126		01/21/21 13:44	1
Toluene-d8 (Surr)	94		75 - 120		01/21/21 13:44	1

Definitions/Glossary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

GC/MS VOA

Analysis Batch: 581913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-193920-1	MW-1-21-1	Total/NA	Water	8260B	
500-193920-2	Dup 1-21-1	Total/NA	Water	8260B	
500-193920-3	TB 1-21-1	Total/NA	Water	8260B	
MB 500-581913/6	Method Blank	Total/NA	Water	8260B	
LCS 500-581913/4	Lab Control Sample	Total/NA	Water	8260B	

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Surrogate Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	DCA	TOL
		(72-124)	(75-120)	(75-126)	(75-120)
500-193920-1	MW-1-21-1	90	84	96	96
500-193920-2	Dup 1-21-1	90	86	99	95
500-193920-3	TB 1-21-1	90	85	96	94
LCS 500-581913/4	Lab Control Sample	92	91	99	96
MB 500-581913/6	Method Blank	91	86	100	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-581913/6
Matrix: Water
Analysis Batch: 581913

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			01/21/21 11:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			01/21/21 11:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			01/21/21 11:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			01/21/21 11:01	1
Bromoform	<0.48		1.0	0.48	ug/L			01/21/21 11:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			01/21/21 11:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			01/21/21 11:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			01/21/21 11:01	1
Chloroform	<0.37		2.0	0.37	ug/L			01/21/21 11:01	1
Chloromethane	<0.32		1.0	0.32	ug/L			01/21/21 11:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			01/21/21 11:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			01/21/21 11:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			01/21/21 11:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			01/21/21 11:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			01/21/21 11:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			01/21/21 11:01	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			01/21/21 11:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			01/21/21 11:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			01/21/21 11:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			01/21/21 11:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			01/21/21 11:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			01/21/21 11:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			01/21/21 11:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			01/21/21 11:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			01/21/21 11:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			01/21/21 11:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			01/21/21 11:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			01/21/21 11:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			01/21/21 11:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			01/21/21 11:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			01/21/21 11:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			01/21/21 11:01	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			01/21/21 11:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 11:01	1
Styrene	<0.39		1.0	0.39	ug/L			01/21/21 11:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			01/21/21 11:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			01/21/21 11:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			01/21/21 11:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			01/21/21 11:01	1
Toluene	<0.15		0.50	0.15	ug/L			01/21/21 11:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			01/21/21 11:01	1

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-581913/6
Matrix: Water
Analysis Batch: 581913

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			01/21/21 11:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			01/21/21 11:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			01/21/21 11:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			01/21/21 11:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			01/21/21 11:01	1
Trichloroethene	<0.16		0.50	0.16	ug/L			01/21/21 11:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			01/21/21 11:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			01/21/21 11:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			01/21/21 11:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			01/21/21 11:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			01/21/21 11:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			01/21/21 11:01	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	91		72 - 124		01/21/21 11:01	1
Dibromofluoromethane (Surr)	86		75 - 120		01/21/21 11:01	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		01/21/21 11:01	1
Toluene-d8 (Surr)	94		75 - 120		01/21/21 11:01	1

Lab Sample ID: LCS 500-581913/4
Matrix: Water
Analysis Batch: 581913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	50.0	49.3		ug/L		99	70 - 120
Bromobenzene	50.0	42.7		ug/L		85	70 - 122
Bromochloromethane	50.0	43.9		ug/L		88	65 - 122
Bromodichloromethane	50.0	41.1		ug/L		82	69 - 120
Bromoform	50.0	32.3		ug/L		65	56 - 132
Bromomethane	50.0	56.1		ug/L		112	40 - 152
Carbon tetrachloride	50.0	45.4		ug/L		91	59 - 133
Chlorobenzene	50.0	47.4		ug/L		95	70 - 120
Chloroethane	50.0	65.1		ug/L		130	48 - 136
Chloroform	50.0	45.5		ug/L		91	70 - 120
Chloromethane	50.0	64.8		ug/L		130	56 - 152
2-Chlorotoluene	50.0	48.1		ug/L		96	70 - 125
4-Chlorotoluene	50.0	46.5		ug/L		93	68 - 124
cis-1,2-Dichloroethene	50.0	44.6		ug/L		89	70 - 125
cis-1,3-Dichloropropene	50.0	41.7		ug/L		83	64 - 127
Dibromochloromethane	50.0	34.9		ug/L		70	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	30.1		ug/L		60	56 - 123
1,2-Dibromoethane	50.0	40.8		ug/L		82	70 - 125
Dibromomethane	50.0	43.3		ug/L		87	70 - 120
1,2-Dichlorobenzene	50.0	43.9		ug/L		88	70 - 125
1,3-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 125
1,4-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 120
Dichlorodifluoromethane	50.0	62.5		ug/L		125	40 - 159
1,1-Dichloroethane	50.0	51.7		ug/L		103	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-581913/4
Matrix: Water
Analysis Batch: 581913

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	49.8		ug/L		100	68 - 127
1,1-Dichloroethene	50.0	45.9		ug/L		92	67 - 122
1,2-Dichloropropane	50.0	53.1		ug/L		106	67 - 130
1,3-Dichloropropane	50.0	44.3		ug/L		89	62 - 136
2,2-Dichloropropane	50.0	50.5		ug/L		101	58 - 139
1,1-Dichloropropene	50.0	50.9		ug/L		102	70 - 121
Ethylbenzene	50.0	50.7		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	53.2		ug/L		106	51 - 150
Isopropylbenzene	50.0	50.8		ug/L		102	70 - 126
Methylene Chloride	50.0	43.0		ug/L		86	69 - 125
Methyl tert-butyl ether	50.0	47.8		ug/L		96	55 - 123
Naphthalene	50.0	39.9		ug/L		80	53 - 144
n-Butylbenzene	50.0	51.4		ug/L		103	68 - 125
N-Propylbenzene	50.0	49.9		ug/L		100	69 - 127
p-Isopropyltoluene	50.0	51.8		ug/L		104	70 - 125
sec-Butylbenzene	50.0	51.2		ug/L		102	70 - 123
Styrene	50.0	47.5		ug/L		95	70 - 120
tert-Butylbenzene	50.0	49.7		ug/L		99	70 - 121
1,1,1,2-Tetrachloroethane	50.0	43.6		ug/L		87	70 - 125
1,1,2,2-Tetrachloroethane	50.0	38.2		ug/L		76	62 - 140
Tetrachloroethene	50.0	50.5		ug/L		101	70 - 128
Toluene	50.0	48.3		ug/L		97	70 - 125
trans-1,2-Dichloroethene	50.0	46.5		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	38.6		ug/L		77	62 - 128
1,2,3-Trichlorobenzene	50.0	43.2		ug/L		86	51 - 145
1,2,4-Trichlorobenzene	50.0	44.0		ug/L		88	57 - 137
1,1,1-Trichloroethane	50.0	47.3		ug/L		95	70 - 125
1,1,2-Trichloroethane	50.0	41.4		ug/L		83	71 - 130
Trichloroethene	50.0	47.6		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	49.0		ug/L		98	55 - 128
1,2,3-Trichloropropane	50.0	39.1		ug/L		78	50 - 133
1,2,4-Trimethylbenzene	50.0	48.7		ug/L		97	70 - 123
1,3,5-Trimethylbenzene	50.0	49.8		ug/L		100	70 - 123
Vinyl chloride	50.0	55.9		ug/L		112	64 - 126
Xylenes, Total	100	103		ug/L		103	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		72 - 124
Dibromofluoromethane (Surr)	91		75 - 120
1,2-Dichloroethane-d4 (Surr)	99		75 - 126
Toluene-d8 (Surr)	96		75 - 120

Lab Chronicle

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Client Sample ID: MW-1-21-1

Date Collected: 01/19/21 08:00

Date Received: 01/20/21 09:30

Lab Sample ID: 500-193920-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581913	01/21/21 12:50	PMF	TAL CHI

Client Sample ID: Dup 1-21-1

Date Collected: 01/19/21 08:05

Date Received: 01/20/21 09:30

Lab Sample ID: 500-193920-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581913	01/21/21 13:17	PMF	TAL CHI

Client Sample ID: TB 1-21-1

Date Collected: 01/19/21 00:00

Date Received: 01/20/21 09:30

Lab Sample ID: 500-193920-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	581913	01/21/21 13:44	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200



Accreditation/Certification Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:002

Job ID: 500-193920-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

1

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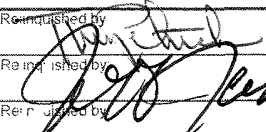
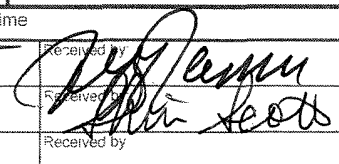
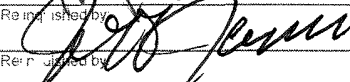
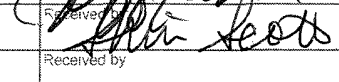

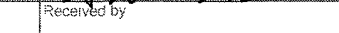
Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park IL 60484
 Phone 708-534-5200 Fax 708 534-5211

Chain of Custody Record

eurofins

500-193920

Client Information		Sampler <i>Tim Petrick</i>	Lab PM Fredrick Sandie	Carrier Tracking No(s)	COC No 500-88591 39678 1												
Client Contact: Mr Tim Petrick		Phone 414 858 1210	E-Mail sandra.frednck@eurofinset.com	State of origin	Page Page 1 of 1												
Company Endpoint Solutions Corp		PWS D	Analysis Requested		Job # 341-021-002:002												
Address: 6871 S Lovers Lane Franklin WI 53132 Phone 414-427-1200(Te) Email tim@endpointcorporation.com		Due Date Requested	<table border="1"> <tr><td>Field Filtered Sample (Yes or No)</td></tr> <tr><td>Perform. MS/MSD (Yes or No)</td></tr> <tr><td>8260B VOC</td></tr> </table>		Field Filtered Sample (Yes or No)	Perform. MS/MSD (Yes or No)	8260B VOC	<table border="1"> <tr><td>Total Number of Containers</td></tr> </table>	Total Number of Containers								
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Perform. MS/MSD (Yes or No)																	
8260B VOC																	
Total Number of Containers																	
		TAT Requested (days) std															
Compliance Project. <input type="checkbox"/> Yes <input type="checkbox"/> No		PO # Purchase Order not required															
Project Name Arkema Saukville		Project # 50017526															
Site Saukville, WI		SSCW#	<table border="1"> <tr><td>Preservation Codes</td></tr> <tr><td>A HCL M Hexane</td></tr> <tr><td>B NaOH N None</td></tr> <tr><td>C Zn Acetate O As/NaO2</td></tr> <tr><td>D Nitric Acid P Na2O4S</td></tr> <tr><td>E NaHSO4 Q Na2SO3</td></tr> <tr><td>F MeOH R AmOH</td></tr> <tr><td>G Am Chlor S H2SO4</td></tr> <tr><td>H Ascorbic Acid T TSP Dodecahydrate</td></tr> <tr><td>I Ice U Acetone</td></tr> <tr><td>J DI Water V MCAA</td></tr> <tr><td>K EDTA W pH 4-5</td></tr> <tr><td>L EDA Z Other (specify)</td></tr> </table>		Preservation Codes	A HCL M Hexane	B NaOH N None	C Zn Acetate O As/NaO2	D Nitric Acid P Na2O4S	E NaHSO4 Q Na2SO3	F MeOH R AmOH	G Am Chlor S H2SO4	H Ascorbic Acid T TSP Dodecahydrate	I Ice U Acetone	J DI Water V MCAA	K EDTA W pH 4-5	L EDA Z Other (specify)
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A HCL M Hexane																	
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H Ascorbic Acid T TSP Dodecahydrate																	
I Ice U Acetone																	
J DI Water V MCAA																	
K EDTA W pH 4-5																	
L EDA Z Other (specify)																	
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=sludg, O=wast/woil, BT-Tissue, A-Air)	Field Filtered Sample (Yes or No)	Perform. MS/MSD (Yes or No)	8260B VOC	Total Number of Containers	Special Instructions/Note							
MW-1-21-1		1-19-21	800	G	Water	X											
Dup 1-21-1		1-19-21	805	G	Water	X											
TBI-21-1		-	-	-	Water	X											
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)															
<input type="checkbox"/> No. -Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months															
Deliverable Requested I II III IV Other (specify)		Special Instructions: QC Requirements															
Empty Kit Reinquished by		Date	Time	Method of Shipment:													
		1/19/21	1500														
		1/19/21	1500														
		1/19/21	1500														
Custody Seals Intact. <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperatures and Other Remarks.													
				3.6 → 6.0													

Login Sample Receipt Checklist

Client: Endpoint Solutions Corp

Job Number: 500-193920-1

Login Number: 193920

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

