Endpoint Solutions
6871 South Lover's Lane
Franklin, WI 53132
Telephone: (414) 427-1200
Fax: (414) 427-1259
www.endpointcorporation.com

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 July 2021. A duplicate sample and a trip blank sample were also analyzed.

SAMPLING NARRATIVE

On July 8, 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-1-21-3) and a blind duplicate sample (DUP1-21-3) were 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-1-21-3) and blind duplicate sample (DUP1-21-3) 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 (TB1-21-3) sample supplied by TestAmerica was 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 July 8, 2021. The samples were identified as data set 500-202084-1 with individual sample identifiers of 1 through 3.

The samples were analyzed at TestAmerica.

SW846 Method 8260B (VOCs – Standard List):

MW-1-21-3	DUP1-21-3	TB1-21-3

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: DUP1-21-3. No VOCs were detected above LODs in either the parent (MW-1-21-3) or the duplicate (DUP1-21-3).

Surrogate Spikes

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

CLOSING

We trust the information contained in this letter clearly and concisely reports the results of the July 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-1-21-3		DUP1-21-3		TB1-21-3	
			Collection Date		7/8/2021		7/8/2021		7/8/2021	
			Laboratory ID		500-202084-1		500-202084-2		500-202084-3	
			Duplicate Parent				(MW-1-21-3)			
			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-Chlorotoulene	-	-		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	
Hexachlorobutadene	-	-		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					<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 (
Indicates concentration in exceedance of Wisconsin Administrative Code Chapter NR140 Enforcement Standard (

VOC - volatile organic compound
µg/L - micrograms per liter
mg/L - milligrams per liter
*+ - LCS and/or LCSD is outside acceptable limits, high biased.

Table 1
12/3/2021

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 500-202084-1
Client Project/Site: Arkema - Saukville 341-021-002:004

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

Attn: Mr. Tim Petrick

Sandra Fredrick

Authorized for release by:
7/23/2021 12:47:31 PM

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

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 4
Method Summary 5
Sample Summary 6
Client Sample Results 7
Definitions 13
QC Association 14
Surrogate Summary 15
QC Sample Results 16
Chronicle 19
Certification Summary 20
Chain of Custody 21
Receipt Checklists 22

Job ID: 500-202084-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative
500-202084-1

Comments
No additional comments.

Receipt
The samples were received on 7/9/2021 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1º C.

GC/MS VOA
Method 8260B: The laboratory control sample (LCS) and continuing calibration verification (CCVIS) for 610144 recovered outside control limits for Bromomethane. This analyte was biased high in the LCS/CCVIS and was not detected in the associated samples; therefore, the data have been reported.MW1-21-3 (500-202084-1), DUP1-21-3 (500-202084-2) and TB1-21-3 (500-202084-3)

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

Detection Summary

Client: Endpoint Solutions Corp
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

Client Sample ID: MW1-21-3 — Lab Sample ID: 500-202084-1

No Detections.

Client Sample ID: DUP1-21-3 — Lab Sample ID: 500-202084-2

No Detections.

Client Sample ID: TB1-21-3 — Lab Sample ID: 500-202084-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Endpoint Solutions Corp
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

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 341-021-002:004

Job ID: 500-202084-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-202084-1	MW1-21-3	Water	07/08/21 07:30	07/09/21 09:30
500-202084-2	DUP1-21-3	Water	07/08/21 07:30	07/09/21 09:30
500-202084-3	TB1-21-3	Water	07/08/21 00:00	07/09/21 09:30

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:004

Job ID: 500-202084-1

Client Sample ID: MW1-21-3

Date Collected: 07/08/21 07:30
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202084-1

Matrix: Water

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			07/20/21 13:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/20/21 13:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/20/21 13:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/20/21 13:01	1
Bromoform	<0.48		1.0	0.48	ug/L			07/20/21 13:01	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/20/21 13:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/20/21 13:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/20/21 13:01	1
Chloroform	<0.37		2.0	0.37	ug/L			07/20/21 13:01	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/20/21 13:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/20/21 13:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/20/21 13:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/20/21 13:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/20/21 13:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/20/21 13:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/20/21 13:01	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/20/21 13:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/20/21 13:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/20/21 13:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/20/21 13:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/20/21 13:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/20/21 13:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/20/21 13:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/20/21 13:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/20/21 13:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/20/21 13:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/20/21 13:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/20/21 13:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/20/21 13:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/20/21 13:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/20/21 13:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/20/21 13:01	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/20/21 13:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 13:01	1
Styrene	<0.39		1.0	0.39	ug/L			07/20/21 13:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 13:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/20/21 13:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/20/21 13:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/20/21 13:01	1
Toluene	<0.15		0.50	0.15	ug/L			07/20/21 13:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/20/21 13:01	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/20/21 13:01	1

Client: Endpoint Solutions Corp
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

Client Sample ID: MW1-21-3
Lab Sample ID: 500-202084-1
Date Collected: 07/08/21 07:30
Matrix: Water
Date Received: 07/09/21 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			07/20/21 13:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/20/21 13:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/20/21 13:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/20/21 13:01	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/20/21 13:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/20/21 13:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/20/21 13:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/20/21 13:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/20/21 13:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/20/21 13:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/20/21 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*		*07/20/21 13:01*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*07/20/21 13:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*07/20/21 13:01*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*07/20/21 13:01*	*1*

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:004

Job ID: 500-202084-1

Client Sample ID: DUP1-21-3

Date Collected: 07/08/21 07:30
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202084-2

Matrix: Water

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			07/20/21 13:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/20/21 13:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/20/21 13:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/20/21 13:29	1
Bromoform	<0.48		1.0	0.48	ug/L			07/20/21 13:29	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/20/21 13:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/20/21 13:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/20/21 13:29	1
Chloroform	<0.37		2.0	0.37	ug/L			07/20/21 13:29	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/20/21 13:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/20/21 13:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/20/21 13:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/20/21 13:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/20/21 13:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/20/21 13:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/20/21 13:29	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/20/21 13:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/20/21 13:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/20/21 13:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/20/21 13:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/20/21 13:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/20/21 13:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/20/21 13:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/20/21 13:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/20/21 13:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/20/21 13:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/20/21 13:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/20/21 13:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/20/21 13:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/20/21 13:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/20/21 13:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/20/21 13:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/20/21 13:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 13:29	1
Styrene	<0.39		1.0	0.39	ug/L			07/20/21 13:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 13:29	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/20/21 13:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/20/21 13:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/20/21 13:29	1
Toluene	<0.15		0.50	0.15	ug/L			07/20/21 13:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/20/21 13:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/20/21 13:29	1

Client: Endpoint Solutions Corp
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

Client Sample ID: DUP1-21-3
Lab Sample ID: 500-202084-2
Date Collected: 07/08/21 07:30
Matrix: Water
Date Received: 07/09/21 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			07/20/21 13:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/20/21 13:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/20/21 13:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/20/21 13:29	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/20/21 13:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/20/21 13:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/20/21 13:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/20/21 13:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/20/21 13:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/20/21 13:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/20/21 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*72 - 124*		*07/20/21 13:29*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 120*		*07/20/21 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*07/20/21 13:29*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*07/20/21 13:29*	*1*

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:004

Job ID: 500-202084-1

Client Sample ID: TB1-21-3

Date Collected: 07/08/21 00:00
Date Received: 07/09/21 09:30

Lab Sample ID: 500-202084-3

Matrix: Water

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			07/20/21 12:05	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/20/21 12:05	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/20/21 12:05	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/20/21 12:05	1
Bromoform	<0.48		1.0	0.48	ug/L			07/20/21 12:05	1
Bromomethane	<0.80	*+	3.0	0.80	ug/L			07/20/21 12:05	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/20/21 12:05	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/20/21 12:05	1
Chloroform	<0.37		2.0	0.37	ug/L			07/20/21 12:05	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/20/21 12:05	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/20/21 12:05	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/20/21 12:05	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/20/21 12:05	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/20/21 12:05	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/20/21 12:05	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/20/21 12:05	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/20/21 12:05	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/20/21 12:05	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/20/21 12:05	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/20/21 12:05	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/20/21 12:05	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/20/21 12:05	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/20/21 12:05	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/20/21 12:05	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/20/21 12:05	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/20/21 12:05	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/20/21 12:05	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/20/21 12:05	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/20/21 12:05	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/20/21 12:05	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/20/21 12:05	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/20/21 12:05	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/20/21 12:05	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 12:05	1
Styrene	<0.39		1.0	0.39	ug/L			07/20/21 12:05	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 12:05	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/20/21 12:05	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/20/21 12:05	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/20/21 12:05	1
Toluene	<0.15		0.50	0.15	ug/L			07/20/21 12:05	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/20/21 12:05	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/20/21 12:05	1

Client: Endpoint Solutions Corp
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

Client Sample ID: TB1-21-3
Lab Sample ID: 500-202084-3
Date Collected: 07/08/21 00:00
Matrix: Water
Date Received: 07/09/21 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			07/20/21 12:05	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/20/21 12:05	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/20/21 12:05	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/20/21 12:05	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/20/21 12:05	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/20/21 12:05	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/20/21 12:05	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/20/21 12:05	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/20/21 12:05	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/20/21 12:05	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/20/21 12:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*72 - 124*		*07/20/21 12:05*	*1*
Dibromofluoromethane (Surr)	*114*		*75 - 120*		*07/20/21 12:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*07/20/21 12:05*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*07/20/21 12:05*	*1*

Definitions/Glossary

Client: Endpoint Solutions Corp
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

GC/MS VOA

Analysis Batch: 610144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-202084-1	MW1-21-3	Total/NA	Water	8260B	
500-202084-2	DUP1-21-3	Total/NA	Water	8260B	
500-202084-3	TB1-21-3	Total/NA	Water	8260B	
MB 500-610144/6	Method Blank	Total/NA	Water	8260B	
LCS 500-610144/29	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:004

Job ID: 500-202084-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-202084-1	MW1-21-3	86	114	115	97
500-202084-2	DUP1-21-3	88	109	110	95
500-202084-3	TB1-21-3	83	114	115	97
LCS 500-610144/29	Lab Control Sample	82	109	104	100
MB 500-610144/6	Method Blank	86	110	112	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:004

Job ID: 500-202084-1

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

Lab Sample ID: MB 500-610144/6
Matrix: Water
Analysis Batch: 610144

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			07/20/21 10:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			07/20/21 10:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			07/20/21 10:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			07/20/21 10:42	1
Bromoform	<0.48		1.0	0.48	ug/L			07/20/21 10:42	1
Bromomethane	<0.80		3.0	0.80	ug/L			07/20/21 10:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			07/20/21 10:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			07/20/21 10:42	1
Chloroform	<0.37		2.0	0.37	ug/L			07/20/21 10:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			07/20/21 10:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			07/20/21 10:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			07/20/21 10:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			07/20/21 10:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			07/20/21 10:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			07/20/21 10:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			07/20/21 10:42	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			07/20/21 10:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			07/20/21 10:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			07/20/21 10:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			07/20/21 10:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			07/20/21 10:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			07/20/21 10:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			07/20/21 10:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			07/20/21 10:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			07/20/21 10:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			07/20/21 10:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			07/20/21 10:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			07/20/21 10:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			07/20/21 10:42	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			07/20/21 10:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			07/20/21 10:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			07/20/21 10:42	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			07/20/21 10:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 10:42	1
Styrene	<0.39		1.0	0.39	ug/L			07/20/21 10:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			07/20/21 10:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			07/20/21 10:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			07/20/21 10:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			07/20/21 10:42	1
Toluene	<0.15		0.50	0.15	ug/L			07/20/21 10:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			07/20/21 10:42	1

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

Lab Sample ID: MB 500-610144/6
Matrix: Water
Analysis Batch: 610144

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			07/20/21 10:42	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			07/20/21 10:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			07/20/21 10:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			07/20/21 10:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			07/20/21 10:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			07/20/21 10:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			07/20/21 10:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			07/20/21 10:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			07/20/21 10:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			07/20/21 10:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			07/20/21 10:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			07/20/21 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*72 - 124*		*07/20/21 10:42*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 120*		*07/20/21 10:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 126*		*07/20/21 10:42*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*07/20/21 10:42*	*1*

Lab Sample ID: LCS 500-610144/29
Matrix: Water
Analysis Batch: 610144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	52.7		ug/L		105	70 - 120
Bromobenzene	50.0	49.2		ug/L		98	70 - 122
Bromochloromethane	50.0	56.1		ug/L		112	65 - 122
Bromodichloromethane	50.0	53.4		ug/L		107	69 - 120
Bromoform	50.0	58.9		ug/L		118	56 - 132
Bromomethane	50.0	84.6	*+	ug/L		169	40 - 152
Carbon tetrachloride	50.0	62.4		ug/L		125	59 - 133
Chlorobenzene	50.0	51.4		ug/L		103	70 - 120
Chloroethane	50.0	47.6		ug/L		95	48 - 136
Chloroform	50.0	54.4		ug/L		109	70 - 120
Chloromethane	50.0	37.0		ug/L		74	56 - 152
2-Chlorotoluene	50.0	49.2		ug/L		98	70 - 125
4-Chlorotoluene	50.0	48.7		ug/L		97	68 - 124
cis-1,2-Dichloroethene	50.0	51.3		ug/L		103	70 - 125
cis-1,3-Dichloropropene	50.0	51.2		ug/L		102	64 - 127
Dibromochloromethane	50.0	54.5		ug/L		109	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	46.5		ug/L		93	56 - 123
1,2-Dibromoethane	50.0	51.6		ug/L		103	70 - 125
Dibromomethane	50.0	52.8		ug/L		106	70 - 120
1,2-Dichlorobenzene	50.0	46.0		ug/L		92	70 - 125
1,3-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 125
1,4-Dichlorobenzene	50.0	48.7		ug/L		97	70 - 120
Dichlorodifluoromethane	50.0	54.1		ug/L		108	40 - 159
1,1-Dichloroethane	50.0	46.2		ug/L		92	70 - 125

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-021-002:004

Job ID: 500-202084-1

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

Lab Sample ID: LCS 500-610144/29
Matrix: Water
Analysis Batch: 610144

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	52.9		ug/L		106	68 - 127
1,1-Dichloroethene	50.0	52.8		ug/L		106	67 - 122
1,2-Dichloropropane	50.0	40.5		ug/L		81	67 - 130
1,3-Dichloropropane	50.0	51.7		ug/L		103	62 - 136
2,2-Dichloropropane	50.0	54.2		ug/L		108	58 - 139
1,1-Dichloropropene	50.0	55.4		ug/L		111	70 - 121
Ethylbenzene	50.0	53.5		ug/L		107	70 - 123
Hexachlorobutadiene	50.0	46.2		ug/L		92	51 - 150
Isopropylbenzene	50.0	47.9		ug/L		96	70 - 126
Methylene Chloride	50.0	49.5		ug/L		99	69 - 125
Methyl tert-butyl ether	50.0	45.6		ug/L		91	55 - 123
Naphthalene	50.0	32.5		ug/L		65	53 - 144
n-Butylbenzene	50.0	45.2		ug/L		90	68 - 125
N-Propylbenzene	50.0	48.1		ug/L		96	69 - 127
p-Isopropyltoluene	50.0	47.9		ug/L		96	70 - 125
sec-Butylbenzene	50.0	49.9		ug/L		100	70 - 123
Styrene	50.0	55.6		ug/L		111	70 - 120
tert-Butylbenzene	50.0	42.9		ug/L		86	70 - 121
1,1,1,2-Tetrachloroethane	50.0	58.1		ug/L		116	70 - 125
1,1,2,2-Tetrachloroethane	50.0	43.4		ug/L		87	62 - 140
Tetrachloroethene	50.0	58.0		ug/L		116	70 - 128
Toluene	50.0	53.3		ug/L		107	70 - 125
trans-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	62 - 128
1,2,3-Trichlorobenzene	50.0	35.4		ug/L		71	51 - 145
1,2,4-Trichlorobenzene	50.0	36.6		ug/L		73	57 - 137
1,1,1-Trichloroethane	50.0	61.3		ug/L		123	70 - 125
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	71 - 130
Trichloroethene	50.0	55.7		ug/L		111	70 - 125
Trichlorofluoromethane	50.0	62.2		ug/L		124	55 - 128
1,2,3-Trichloropropane	50.0	48.0		ug/L		96	50 - 133
1,2,4-Trimethylbenzene	50.0	46.2		ug/L		92	70 - 123
1,3,5-Trimethylbenzene	50.0	49.4		ug/L		99	70 - 123
Vinyl chloride	50.0	44.4		ug/L		89	64 - 126
Xylenes, Total	100	110		ug/L		110	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*82*		*72 - 124*
Dibromofluoromethane (Surr)	*109*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*
Toluene-d8 (Surr)	*100*		*75 - 120*

Lab Chronicle

Client: Endpoint Solutions Corp
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

Client Sample ID: MW1-21-3
Lab Sample ID: 500-202084-1
Date Collected: 07/08/21 07:30
Matrix: Water
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	610144	07/20/21 13:01	JDD	TAL CHI

Client Sample ID: DUP1-21-3
Lab Sample ID: 500-202084-2
Date Collected: 07/08/21 07:30
Matrix: Water
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	610144	07/20/21 13:29	JDD	TAL CHI

Client Sample ID: TB1-21-3
Lab Sample ID: 500-202084-3
Date Collected: 07/08/21 00:00
Matrix: Water
Date Received: 07/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	610144	07/20/21 12:05	JDD	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
Job ID: 500-202084-1
Project/Site: Arkema - Saukville 341-021-002:004

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

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park IL 60484
Phone 708-534-5200 Fax 708-534-5211

Chain of Custody Record

eurofins

Client Information	Sampler: Tim Petrick	Lab PM: Fredrick Sandee	Carrier Tracking No(s):	COC No: 500-92701-41300.1
Client Contact: Mr. Tim Petrick	Phone: 414 897 4381	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: WI	Page: Page 1 of 1 500-202084
Company: Endpoint Solutions Corp	PWSID:	Analysis Requested		Job #: 341-021-002-004
Address: 6871 S. Lovers Lane	Due Date Requested:			Preservation Codes: A HCL; B NaOH; C Zn Acetate; D Nitric Acid; E NaHSO4; F MeOH; G Amchlor; H Ascorbic Acid; I Ice; J DI Water; K EDTA; L EDA; M Hexane; N None; O AsNaO2; P Na2O4; Q Na2SO3; R Na2S2O3; S H2SO4; T TSP Dodecahydrate; U Acetone; V MCAA; W pH 4-5; Z other (specify); Other
City: Franklin	TAT Requested (days): std			
State, Zip: WI, 53132	Compliance Project: ☒ Yes ☐ No			
Phone: 414-427-1200(Tel)	PO #: 341.021.002.004			
Email: tim@endpointcorporation.com	WO #:			
Project Name: Arkema Saukville 341.021.002.004	Project #: 17526			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O/W=oil, 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
			Preservation Code:				A		
1 MW1-21-3	7-8-21	730	G	Water			X		
2 DUP1-21-3	7-8-21	730	G	Water			X		
3 TB1-21-3	7-8-21	—	G	Water			X		
				Water					

500-202084 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Tim Petrick	Date/Time: 7-8-21 250	Company: Endpoint	Received by:	Date/Time: 7-8-21 2.50	Company: TA
Relinquished by:	Date/Time: 7-8-21 1700	Company: TA	Received by: Stephanie Hernandez	Date/Time: 7/9/21 0930	Company: ETA-CHI
Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No:		Cooler Temperature(s) °C and Other Remarks: 2.1		

Login Sample Receipt Checklist

Client: Endpoint Solutions Corp

Job Number: 500-202084-1

Login Number: 202084
List Number: 1
Creator: Hernandez, Stephanie

List Source: Eurofins TestAmerica, Chicago

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	2.1
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	