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

December 3, 2018

Subject: **Report of Results – Winter 2018 Groundwater Monitoring Event**
Arkema Coating Resins
340 Railroad Street, Saukville, Wisconsin
WDNR 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 2018. A duplicate sample and a trip blank sample were also analyzed.

SAMPLING NARRATIVE

On January 23, 2018, 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-1-18-1) and a blind duplicate sample (DUP1-18-1) 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 Synergy Environmental Lab, (Synergy) located in Appleton, Wisconsin (Certification # 445037560).

SAMPLE RESULTS

Results of the analysis indicated the sample (MW-1-18-1) and blind duplicate sample (DUP1-18-1) 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 (TB1-18-1) sample supplied by Synergy 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 23, 2018. The samples were identified as data set 5034156 with individual sample identifiers of A through C.

The samples were analyzed at Synergy.

SW846 Method 8260B (VOCs – Standard List):

MW-1-18-1	DUP1-18-1	TB1-18-1

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: DUP1-18-1. No VOCs were detected above LODs in either the parent (MW-1-18-1) or the duplicate (DUP1-18-1).

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 January 2018 groundwater monitoring event. The next groundwater monitoring event is scheduled for April 2018. 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: Doug Loutzenhiser – Retia USA

Table 1

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

		Sample ID		MW-1-18-1	DUP1-18-1	TB-18-1
		Collection Date		1/23/2018	1/23/2018	1/23/2018
		Laboratory ID		5034156A	5034156C	5034156B
		Duplicate Parent			(MW-1-18-1)	
		Monitoring Objective		Receptor		
		Hydrogeologic Unit		Deep Dolomite		
		Dilution		1	1	1
Parameter	PAL	ES	Units			
Acetone	1,800	9,000	µg/L	<7.2	<7.2	<7.2
Benzene	0.5	5	µg/L	<0.17	<0.17	<0.17
Bromodichloromethane	0.06	0.6	µg/L	<0.31	<0.31	<0.31
Bromoform	0.44	4.4	µg/L	<0.49	<0.49	<0.49
Bromomethane	1	10	µg/L	<2.14	<2.14	<2.14
Carbon disulfide	200	1,000	µg/L	<0.45	<0.45	<0.45
Carbon tetrachloride	0.5	5	µg/L	<0.21	<0.21	<0.21
Chlorobenzene	20	100	µg/L	<0.27	<0.27	<0.27
Chloroethane	80	400	µg/L	<0.5	<0.5	<0.5
Chloroform	0.6	6	µg/L	<0.96	<0.96	<0.96
Chloromethane	3	30	µg/L	<1.3	<1.3	<1.3
1,2-Dibromo-3-chloropropane	0.02	0.2	µg/L	<1.88	<1.88	<1.88
Dibromochloromethane	6	60	µg/L	<0.45	<0.45	<0.45
Dibromomethane	--	--	µg/L	<0.56	<0.56	<0.56
1,4-Dichlorobenzene	15	75	µg/L	<0.42	<0.42	<0.42
1,3-Dichlorobenzene	120	600	µg/L	<0.45	<0.45	<0.45
1,2-Dichlorobenzene	60	600	µg/L	<0.34	<0.34	<0.34
Dichlorodifluoromethane	200	1,000	µg/L	<0.38	<0.38	<0.38
1,2-Dichloroethane	0.5	5	µg/L	<0.45	<0.45	<0.45
1,1-Dichloroethane	85	850	µg/L	<0.42	<0.42	<0.42
1,1-Dichloroethene	0.7	7	µg/L	<0.46	<0.46	<0.46
cis-1,2-Dichloroethene	7	70	µg/L	<0.41	<0.41	<0.41
trans-1,2-Dichloroethene	20	100	µg/L	<0.35	<0.35	<0.35
1,2-Dichloropropane	0.5	5	µg/L	<0.39	<0.39	<0.39
trans-1,3-Dichloropropene	0.04	0.4	µg/L	<0.42	<0.42	<0.42
cis-1,3-Dichloropropene	0.04	0.4	µg/L	<0.21	<0.21	<0.21
1,2-Dibromoethane (EDB)	0.005	0.05	µg/L	<0.34	<0.34	<0.34
Ethylbenzene	140	700	µg/L	<0.2	<0.2	<0.2
Methyl ethyl ketone (MEK)	800	4,000	µg/L	<8.54	<8.54	<8.54
Methylene chloride	0.5	5	µg/L	<0.94	<0.94	<0.94
Methyl tert-butyl ether (MTBE)	12	60	µg/L	<0.82	<0.82	<0.82
Naphthalene	10	100	µg/L	<2.17	<2.17	<2.17
Styrene	10	100	µg/L	<0.27	<0.27	<0.27
Tetrachloroethene (PCE)	0.5	5	µg/L	<0.48	<0.48	<0.48
Tetrahydrofuran	10	50	µg/L	<4.78	<4.78	<4.78
Toluene	160	800	µg/L	<0.67	<0.67	<0.67
1,1,1-Trichloroethane	40	200	µg/L	<0.35	<0.35	<0.35
1,1,2-Trichloroethane	0.5	5	µg/L	<0.65	<0.65	<0.65
Trichloroethene (TCE)	0.5	5	µg/L	<0.45	<0.45	<0.45
Trichlorofluoromethane	--	--	µg/L	<0.64	<0.64	<0.64
Vinyl Chloride	0.02	0.2	µg/L	<0.19	<0.19	<0.19
m&p-Xylene	400	2,000	µg/L	<1.56	<1.56	<1.56
o-Xylene			µg/L	<0.39	<0.39	<0.39
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)

-- Indicates PAL and ES do not exist

VOC - volatile organic compound

µg/L - micrograms per liter

3/19/2018

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

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Report Date *31-Jan-18*

Project Name ARKEMA
Project # 341-001-006:002

Invoice # E34156

Lab Code 5034156A
Sample ID MW-1-18-1 201
Sample Matrix Water
Sample Date 1/23/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Acetone	< 7.2	ug/l	7.2	23	1	8260B		1/30/2018	CJR	1
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		1/30/2018	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		1/30/2018	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		1/30/2018	CJR	1
Bromomethane	< 2.14	ug/l	2.14	6.82	1	8260B		1/30/2018	CJR	1
Carbon Disulfide	< 0.45	ug/l	0.45	1.42	1	8260B		1/30/2018	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		1/30/2018	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		1/30/2018	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		1/30/2018	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		1/30/2018	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		1/30/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		1/30/2018	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		1/30/2018	CJR	1
Dibromomethane	< 0.56	ug/l	0.56	1.79	1	8260B		1/30/2018	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		1/30/2018	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		1/30/2018	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		1/30/2018	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		1/30/2018	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		1/30/2018	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		1/30/2018	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		1/30/2018	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		1/30/2018	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		1/30/2018	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		1/30/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/30/2018	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		1/30/2018	CJR	1
Methyl ethyl ketone (MEK)	< 8.54	ug/l	8.54	27.2	1	8260B		1/30/2018	CJR	1

Project Name ARKEMA **Invoice #** E34156
Project # 341-001-006:002

Lab Code 5034156A
Sample ID MW-1-18-1 201
Sample Matrix Water
Sample Date 1/23/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		1/30/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		1/30/2018	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		1/30/2018	CJR	1
Styrene	< 0.27	ug/l	0.27	0.87	1	8260B		1/30/2018	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		1/30/2018	CJR	1
Tetrahydrofuran	< 4.78	ug/l	4.78	15.2	1	8260B		1/30/2018	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		1/30/2018	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		1/30/2018	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		1/30/2018	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		1/30/2018	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		1/30/2018	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		1/30/2018	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		1/30/2018	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		1/30/2018	CJR	1
SUR - Dibromofluoromethane	103	REC %			1	8260B		1/30/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		1/30/2018	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		1/30/2018	CJR	1

Project Name ARKEMA
Project # 341-001-006:002

Invoice # E34156

Lab Code 5034156B
Sample ID TB1-18-1 999
Sample Matrix Water
Sample Date 1/23/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Acetone	< 7.2	ug/l	7.2	23	1	8260B		1/30/2018	CJR	1
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		1/30/2018	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		1/30/2018	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		1/30/2018	CJR	1
Bromomethane	< 2.14	ug/l	2.14	6.82	1	8260B		1/30/2018	CJR	1
Carbon Disulfide	< 0.45	ug/l	0.45	1.42	1	8260B		1/30/2018	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		1/30/2018	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		1/30/2018	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		1/30/2018	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		1/30/2018	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		1/30/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		1/30/2018	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		1/30/2018	CJR	1
Dibromomethane	< 0.56	ug/l	0.56	1.79	1	8260B		1/30/2018	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		1/30/2018	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		1/30/2018	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		1/30/2018	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		1/30/2018	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		1/30/2018	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		1/30/2018	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		1/30/2018	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		1/30/2018	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		1/30/2018	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		1/30/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/30/2018	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		1/30/2018	CJR	1
Methyl ethyl ketone (MEK)	< 8.54	ug/l	8.54	27.2	1	8260B		1/30/2018	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		1/30/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		1/30/2018	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		1/30/2018	CJR	1
Styrene	< 0.27	ug/l	0.27	0.87	1	8260B		1/30/2018	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		1/30/2018	CJR	1
Tetrahydrofuran	< 4.78	ug/l	4.78	15.2	1	8260B		1/30/2018	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		1/30/2018	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		1/30/2018	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		1/30/2018	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		1/30/2018	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		1/30/2018	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		1/30/2018	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		1/30/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			1	8260B		1/30/2018	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		1/30/2018	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		1/30/2018	CJR	1
SUR - Toluene-d8	95	REC %			1	8260B		1/30/2018	CJR	1

Project Name ARKEMA **Invoice #** E34156
Project # 341-001-006:002

Lab Code 5034156C
Sample ID DUP1-18-1 201
Sample Matrix Water
Sample Date 1/23/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Acetone	< 7.2	ug/l	7.2	23	1	8260B		1/30/2018	CJR	1
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		1/30/2018	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		1/30/2018	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		1/30/2018	CJR	1
Bromomethane	< 2.14	ug/l	2.14	6.82	1	8260B		1/30/2018	CJR	1
Carbon Disulfide	< 0.45	ug/l	0.45	1.42	1	8260B		1/30/2018	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		1/30/2018	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		1/30/2018	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		1/30/2018	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		1/30/2018	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		1/30/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		1/30/2018	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		1/30/2018	CJR	1
Dibromomethane	< 0.56	ug/l	0.56	1.79	1	8260B		1/30/2018	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		1/30/2018	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		1/30/2018	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		1/30/2018	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		1/30/2018	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		1/30/2018	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		1/30/2018	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		1/30/2018	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		1/30/2018	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		1/30/2018	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		1/30/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		1/30/2018	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		1/30/2018	CJR	1
Methyl ethyl ketone (MEK)	< 8.54	ug/l	8.54	27.2	1	8260B		1/30/2018	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		1/30/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		1/30/2018	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		1/30/2018	CJR	1
Styrene	< 0.27	ug/l	0.27	0.87	1	8260B		1/30/2018	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		1/30/2018	CJR	1
Tetrahydrofuran	< 4.78	ug/l	4.78	15.2	1	8260B		1/30/2018	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		1/30/2018	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		1/30/2018	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		1/30/2018	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		1/30/2018	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		1/30/2018	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		1/30/2018	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		1/30/2018	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		1/30/2018	CJR	1
SUR - Toluene-d8	96	REC %			1	8260B		1/30/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		1/30/2018	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		1/30/2018	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		1/30/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code	*Comment*
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # № 2968

Page 1 of 1

Sample Handling Request

____ Rush Analysis Date Required ____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #	
Account No.:	Quote No.:
Project #: 341-001-006:002	
Sampler: (signature) [signature]	
Project (Name / Location): ARKEMA – Saukville, WI	
Reports To: Bob Cigale	Invoice To:
Company Endpoint Solutions	Company
Address 6871 S. Lovers Lane	Address [signature]
City State Zip Franklin WI	City State Zip
Phone 414 858 1202	Phone
FAX	FAX

Analysis Requested / **Other Analysis**

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-RCRA METALS	PID/FID
5034190 A	MW-1-18-1	1/23	845		X	N	3	GW	HCl													X		
B	TBL-18-1		—		X	N	1	GW	HCl													X		
C	DUPL-18-1		—		X	N	3	GW	HCl													X		

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
Need WDNR EDD, Level IV QA/QC & case Narrative

Sample Integrity - To be completed by receiving lab.
Method of Shipment: SC
Temp. of Temp. Blank ____ °C On Ice: X
Cooler seal intact upon receipt: X Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
[signature]	1000	1/23/18			

Received in Laboratory By: [signature] Time: 8:00 Date: 1/24/18

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

December 3, 2018

GEMS Data Submittal Contact – WA/3
Bureau of Waste Management
Wisconsin Department of Natural Resources
101 South Webster Street
Madison, WI 53707-7921

Subject: Transmittal of Monitoring Data
Arkema Resin Coatings – Saukville, Wisconsin
License #03082

Enclosed is the Environmental Monitoring Data Certification (Form 4400-231), a Notification of Groundwater Exceedances and a CD containing the electronic data download (EDD) in the file named Jan18-03082.txt, April18-03082.txt and July18-03082.txt for the groundwater monitoring data collected from the Arkema Coating Resins facility in Saukville, Wisconsin in January 2018, April 2018 and July 2018, respectively.

CLOSING

If you have any questions regarding the data submittal or require corrections, please contact Bob Cigale at 414-858-1202 or via email at bob@endpointcorporation.com.

Sincerely,

Endpoint Solutions

Robert A. Cigale, P.G.
Principal

cc: John Feeney – WDNR
Doug Loutzenhiser – RETIA USA

GROUNDWATER STANDARD EXCEEDENCES

License No.	Facility ID No.	Facility Name	Sample Results for Month(s) of:
03082	246004330	Arkema Coating Resins Saukville, Wisconsin	April 2018

Well ID (WDNR/CCP)	Compound	Concentration	Standard Exceeded
260/W-27	**Trichloroethene**	**21.2 µg/L**	**ES (5 µg/L)**

Monitoring Well W-27 is glacial drift perimeter monitoring point located to the west and hydrogeologically upgradient of the facility on the former Northern Signal property. Historical evidence indicates that a chlorinated solvent vapor degreaser was formerly operated on the Northern Signal site. Groundwater impacts at this well are not believed to be due to past or present activities on the Arkema property. Chlorinated solvents are not currently, and have not historically been used at the Arkema facility.

Well ID (WDNR/CCP)	Compound	Concentration	Standard Exceeded
279/W-52	**Benzene**	**15.6 µg/L**	**ES (5µg/L)**
	cis-1,2-Dichloroethene	**19.4 µg/L**	**PAL (7 µg/L)**
	Vinyl Chloride	**10.4 µg/L**	**ES (0.2 µg/L)**

Monitoring Well W-52 is a shallow dolomite perimeter monitoring point located on the southern boundary of the Arkema property downgradient of the former Northern Signal property. Historical evidence indicates that a chlorinated solvent vapor degreaser was formerly operated on the Northern Signal site. Groundwater impacts at this well are not believed to be due to past or present activities on the Arkema property. Chlorinated solvents are not currently, and have not historically been used at the Arkema facility.