

DECEMBER 11, 2020

**REPORT OF RESULTS – APRIL 2020
GROUNDWATER SAMPLING EVENT**

**ARKEMA COATING RESINS
340 RAILROAD STREET
SAUKVILLE, WISCONSIN**

WDNR BRRTS #: 02-46-000767

WDNR FID #: 246004330

ENDPOINT PROJECT No. 341-020-001:003

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REPORT OF RESULTS – APRIL 2020 GROUNDWATER SAMPLING EVENT

ARKEMA COATING RESINS
340 RAILROAD STREET
SAUKVILLE, WISCONSIN

DECEMBER 11, 2020



Prepared By:	 _____ Tim C. Petrick Senior Technician	<u>December 11, 2020</u> Date
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EXECUTIVE SUMMARY

This report presents the results of the April 2020 quarterly groundwater monitoring event conducted at the Arkema Coating Resins facility in Saukville, Wisconsin (the “Saukville Facility”). In accordance with the Modified Groundwater Monitoring Plan approved by the Wisconsin Department of Natural Resources (WDNR) on July 11, 2005, water samples were scheduled to be collected from the following monitoring points:

- Three (3) municipal water supply wells;
- Village of Saukville publicly owned treatment works (POTW);
- Three (3) on-site Ranney Collectors (RC); and,
- Seventeen (17) perimeter monitoring wells.

Due to the COVID-19 pandemic, the Village of Saukville Water Utility was limiting access to their facilities; therefore, the prescribed samples from the three (3) Village water supply wells (MW, MW-3 and MW-4) and the POTW Influent, Effluent and Sludge could not be collected during this sampling event.

The analytical testing of volatile organic compounds (VOCs) was performed by Eurofins TestAmerica, Chicago Environmental Testing (Eurofins) in University Park, Illinois (WI Certification # 999580010) utilizing United States Environmental Protection Agency (EPA) Method SW846 8260B.

The groundwater monitoring plan requires that the samples collected from RC-1, RC-2 and RC-3 be analyzed using EPA Method SW846 8021. However, to provide the lowest possible detection limits, the RC samples are analyzed using USEPA Method SW846 8260B.

Analytes, reporting limits, and explanations of the data qualifiers are described in **Appendix B**. Laboratory results were validated by an Endpoint professional. The quality assurance/quality control (QA/QC) review is summarized in **Appendix C**.

The results of the April 2020 monitoring event are summarized below. A detailed discussion of the results is presented in **Section 2.0** and **Section 3.0** of this report.

RECEPTOR MONITORING POINTS

MUNICIPAL WATER SUPPLY WELLS

Due to access restrictions imposed by the Village of Saukville in response to the COVID-19 pandemic, samples were not collected from Municipal Water Supply Wells No. 1 (**MW-1**), No. 3 (**MW-3**) and No. 4 (**MW-4**) during this sampling event.

PUBLICLY OWNED TREATMENT WORKS

Due to access restrictions imposed by the Village of Saukville in response to the COVID-19 pandemic, samples were not collected from the POTW-Effluent (**POTW-E**), POTW-Influent (**POTW-I**) and POTW-Sludge (**POTW-S**) during this sampling event.

RANNEY COLLECTORS

The samples collected from **RC-1** and **RC-2** did not contained any VOCs above their respective method detection limit (MDL).

The sample collected from **RC-3** contained elevated concentrations of total xylenes, ethylbenzene, toluene, isopropylbenzene, trimethylbenzenes, benzene, 1,2-dichlorobenzene, n-propylbenzene and naphthalene. The concentrations of total xylenes, ethylbenzene, toluene and benzene exceeded their respective ESs. The reported results for 1,2-dichlorobenzene, n-propylbenzene and naphthalene were qualified with a “J” flag, indicating the reported result is less than the reporting limit (RL) but greater than or equal to the MDL and the concentration is an approximate value.

PERIMETER MONITORING POINTS

Seventeen (17) perimeter monitoring points scheduled to be sampled during the April 2020 groundwater monitoring event were sampled. However, no sample was collected from **PW-08** during this sampling event due to COVID-19 restrictions in place by the property owner.

No VOC constituents were detected above their respective MDLs in the groundwater samples collected from perimeter monitoring points **W-01A**, **W-04A**, **W-07**, **W-08R**, **W-20**, **W-49**, **W-50** and **W-51**.

Samples collected from perimeter monitoring wells **W-03A**, **W-03B**, **W-16A**, **W-22** and **W-40** all contained estimated concentrations of methylene chloride. While these estimated concentrations exceeded their Wisconsin Administrative Code (WAC) Chapter NR 140 preventative action limit (PAL), it should be noted that methylene chloride is a known lab contaminant; therefore, these low-level detections should be suspected as lab contamination.

Perimeter monitoring wells **W-23**, **W-27** and **W-52** contained detectable concentrations of one (1) or more VOC constituents.

The sample collected from **W-23** contained an estimated concentration of cis-1,2-dichloroethene, vinyl chloride and benzene between the RL and the MDL. The reported estimated concentration of vinyl chloride exceeded its WAC NR 140 enforcement standard (ES).

The sample collected from **W-27** contained elevated concentrations of trichloroethene (TCE) and an estimated concentration of methylene chloride. The reported concentration of TCE exceeded its ES, while the estimated concentration of methylene chloride exceeded its PAL. As noted above, methylene chloride is a known lab contaminant; therefore, this low-level detection should be suspected as lab contamination.

The sample collected from **W-52** contained elevated concentrations of trichlorofluoromethane, cis-1,2-dichloroethene, benzene, vinyl chloride, methylene chloride, trans-1,2-dichloroethene, TCE and naphthalene. The reported concentrations of benzene and vinyl chloride are above their respective ESs while the reported concentrations of cis-1,2-dichloroethene, the estimated concentration of methylene chloride and TCE are above their respective PALs. As noted above, methylene chloride is a known lab contaminant; therefore, this low-level detection should be suspected as lab contamination.

QUALITY ASSURANCE/QUALITY CONTROL

One (1) trip blank sample (**500-180440-9**) was submitted for VOC analysis. No VOC constituents were detected.

Two (2) blind duplicate samples were submitted to the laboratory for analysis. Results of the blind duplicate samples were within an acceptable range of the associated parent sample results. More details regarding the QA/QC sampling and results is presented in **Appendix C**.

1.0 SAMPLING PROGRAM

The groundwater monitoring network at the Arkema Coating Resins Saukville facility (the “Saukville Facility”) consists of 46 monitoring points which include 21 glacial drift monitoring wells, ten (10) shallow dolomite piezometers, four (4) shallow dolomite extraction wells, five (5) deep dolomite wells, three (3) Ranney Collectors (RCs) (essentially french drains) and three (3) publicly-owned treatment works (POTW) sampling points.

1.1 MONITORING NETWORK DESCRIPTION

In addition to classifying the monitoring points according to the hydrogeologic units the wells penetrate, the monitoring points have also been classified according to the monitoring objective. The monitoring network has been classified into three (3) monitoring objectives that include receptor monitoring points, perimeter monitoring points and remediation progress points. A discussion of each of these objectives is provided below.

1.1.1 RECEPTOR MONITORING

Receptor points include three (3) municipal water supply wells (**MW-01**, **MW-03**, and **MW-04**); three (3) POTW sampling points including: influent (**POTW-I**), effluent (**POTW-E**), and sludge (**POTW-S**); and the three (3) RCs (**RC-1**, **RC-2**, and **RC-3**). The RCs are monitored because they drain large areas of the glacial drift aquifer and discharge to the POTW. Municipal water supply wells **MW-01**, **MW-03**, and **MW-04** and the three (3) POTW monitoring points were not sampled during this event due to COVID-19 pandemic restrictions in place by the Village of Saukville. The three (3) RCs were scheduled to be sampled during this event and were sampled in April 2020.

1.1.2 PERIMETER MONITORING

Perimeter points are both on- and off-site monitoring wells and piezometers that are located at or beyond the edge of the contaminant plume. These monitoring points are intended to provide the information necessary to characterize the lateral extent of the impacts. The perimeter monitoring points consist of eight (8) glacial drift monitoring wells, eight (8) shallow dolomite piezometers and one (1) deep dolomite piezometer. With the exception of **PW-08**, all these perimeter monitoring points were sampled during the April 2020 sampling event. **PW-08** was unavailable during this sampling event due to COVID-19 pandemic restrictions in place by the property owner.

1.1.3 REMEDIATION PROGRESS MONITORING

Remediation progress monitoring points are monitoring wells and piezometers that are located within the contaminant plume. These monitoring points provide information concerning the effectiveness of the on-site remedial systems. The remediation progress points consist of six (6) glacial drift monitoring wells, four (4) shallow dolomite extraction wells, one (1) shallow dolomite piezometer, and one (1) deep dolomite pumping well. The remediation progress monitoring points are scheduled to be sampled annually during the October sampling event. No remediation progress points were scheduled to be sampled during the April 2020 sampling event.

1.1.4 GROUNDWATER ELEVATION MEASUREMENTS

As part of the monitoring program, water levels are measured in all the wells semi-annually. In addition to the receptor monitoring points, perimeter monitoring points and remediation progress points, seven (7) glacial drift monitoring wells and one (1) shallow dolomite piezometer are utilized primarily for water level measurements. As noted above, **PW-08** was unavailable during this sampling event due to COVID-19 pandemic restrictions in place by the property owner.

1.2 MONITORING NETWORK CHANGES

Since the onset of the monitoring program, three (3) monitoring points have been abandoned. Monitoring wells **W-25** (shallow dolomite) and **W-37** (glacial drift) were abandoned due to damage to the wells from nearby construction projects. Municipal water supply well **MW-2** (deep dolomite) was abandoned following transfer of ownership from the Village of Saukville to CCP Composites US in 2004. These wells have not been replaced since the remaining monitoring network is providing sufficient data.

2.0 MONITORING RESULTS

Volatile organic compounds (VOCs) were analyzed in samples from three (3) onsite RCs and sixteen (16) perimeter monitoring points during the April 2020 groundwater sampling event. As noted above, the three (3) municipal water supply wells, the three (3) sampling points at the village POTW and PW-08 were unavailable during this sampling event due to COVID-19 pandemic restrictions in place by the Village and the property owner. Results of the April 2020 groundwater sampling event are summarized in the following tables attached in this report:

Table 1	Municipal Water Supply Wells - VOC Results (NO SAMPLES COLLECTED)
Table 2	POTW - VOC Results (NO SAMPLES COLLECTED)
Table 3	Ranney Collectors - VOC Results
Table 4	Perimeter Glacial Drift Monitoring Wells - VOC Results
Table 5	Perimeter - Shallow and Deep Dolomite Wells - VOC Results
Table 6	Summary of PAL and ES Exceedances

All results have been compared to Wisconsin Administrative Code (WAC) Chapter NR 140 Table 1 Public Health Groundwater Quality Standards defined as preventive action limits (PALs) and enforcement standards (ESs).

The water level measurements from the April 2020 sampling event are summarized in **Table 7**. Water table contours in the glacial drift unit and the potentiometric surface in the shallow dolomite unit are depicted on **Figures 1 and 2**, respectively.

Physical parameters including oxidation-reduction potential (ORP), dissolved oxygen, pH, conductivity and temperature were measured in the field at the time of sampling. The results of the physical parameter measurements along with observations of sample color and odor are recorded on the Groundwater Sampling Field Reports attached in **Appendix A** and when collected on **Tables 1 through 5**.

2.1 WATER LEVEL MEASUREMENTS

The depth to groundwater was measured from the top of the well casing in each of the monitoring wells with an electronic water level indicator prior to purging. The depth to the groundwater was converted to an elevation using the surveyed top of casing elevation. Based on the groundwater elevations, two (2) figures were developed. A water table map (**Figure 1**) was developed using the groundwater elevations measured from the glacial drift monitoring wells and a potentiometric surface map (**Figure 2**) was developed using the groundwater elevations measured in the shallow and deep dolomite wells. A brief description of the groundwater flow patterns as depicted on **Figure 1** and **Figure 2** is provided in the following sections. A summary of the water level measurements is provided on **Table 7**.

2.1.1 WATER TABLE

The groundwater present in the glacial drift unit flows unconfined generally from the west towards the east across the Saukville Facility. Onsite drainage to the RCs and pumping of the glacial drift extraction wells along with dewatering of the glacial drift due to pumping of the shallow and deep dolomite extraction wells has affected the natural flow of the shallow groundwater across the Saukville Facility. Based on the flow pattern observed and the depth to the shallow groundwater, it appears that the groundwater flowing in the glacial drift unit ultimately discharges to the Milwaukee River east of the Saukville Facility.

2.1.2 POTENTIOMETRIC SURFACE

Groundwater flow in the shallow and deep dolomite units beneath the Saukville Facility is dominated by the pumping of onsite well **W-30**. A significant cone of depression has formed around **W-30**, which pumps at a continuous rate of approximately 150 gallons per minute. A potentiometric divide is present in the western portions of the Saukville Facility where the flow in the shallow dolomite appears to return to a more west to east flow pattern outside of the influence of **W-30**.

2.2 ANALYTICAL RESULTS

2.2.1 RECEPTOR MONITORING POINTS

2.2.1.1 MUNICIPAL WATER SUPPLY WELLS

No samples were collected from Municipal Water Supply Wells No. 1 (**MW-1**), No. 3 (**MW-3**) and No. 4 (**MW-4**) during this sampling event due to COVID-19 pandemic restrictions in place by the Village of Saukville.

2.2.1.2 RANNEY COLLECTORS

The sample collected from **RC-1** did not contain any VOC constituents above their respective MDLs. **RC-1** drains an area west of the storage tank farm "Area of Concern" (AOC 3) with a leg extending north into the Ozaukee Christian School (OCS) churchyard.

The sample collected from **RC-2** did not contain any VOC constituents above their respective MDLs. **RC-2** drains the southwest corner of the Saukville Facility with a leg extending northward to the location of the former dry well (AOC 2).

The sample collected from **RC-3** contained elevated concentrations of total xylenes (23,000 micrograms per liter [$\mu\text{g/L}$]), ethylbenzene (3,400 $\mu\text{g/L}$), toluene (3,000 $\mu\text{g/L}$), isopropylbenzene (130 $\mu\text{g/L}$), trimethylbenzene (67 $\mu\text{g/L}$), benzene (21 $\mu\text{g/L}$), 1,2-dichlorobenzene (8.1 "J" $\mu\text{g/L}$), n-propylbenzene (7.7 "J" $\mu\text{g/L}$) and naphthalene (4.2 "J" $\mu\text{g/L}$). The reported concentrations of total xylenes, ethylbenzene, toluene, and benzene exceeded their respective WAC Chapter NR 140 ESs. **RC-3** drains the northern portion of the Saukville Facility with a leg extending north to the location of the former hazardous waste incinerator (AOC 1).

2.2.1.3 PUBLICLY OWNED TREATMENT WORKS

No samples were collected from the POTW-Effluent (**POTW-E**), the POTW-Influent (**POTW-I**) and the POTW-Sludge (**POTW-S**) during this sampling event due to COVID-19 pandemic restrictions in place by the Village of Saukville.

2.2.2 PERIMETER MONITORING POINTS

Sixteen (16) of the seventeen (17) perimeter monitoring points scheduled to be sampled during the April 2020 groundwater monitoring event were sampled. **PW-08** was unavailable during this sampling event due to COVID-19 pandemic restrictions in place by the property owner.

No VOC constituents were detected above their respective MDLs in the groundwater samples collected from perimeter monitoring points **W-01A, W-04A, W-07, W-08R, W-20, W-49, W-50** and **W-51**.

The samples collected from perimeter monitoring wells **W-03A, W-03B, W-16A, W-22** and **W-40** all contained estimated concentrations of methylene chloride. While these estimated concentrations exceeded their PALs, it should be noted that methylene chloride is a known lab contaminant; therefore, these low-level detections should be suspected as lab contamination.

Perimeter monitoring wells **W-23, W-27** and **W-52** contained detectable concentrations of one (1) or more VOC constituents. Details regarding the detections at each well location are presented below.

2.2.2.1 W-23

The sample collected from shallow dolomite perimeter monitoring point **W-23** contained estimated concentrations of cis-1,2-dichloroethene (0.87 µg/L), vinyl chloride (0.24 µg/L) and benzene (0.17 µg/L). The reported estimated concentration of vinyl chloride exceeds its ES.

Shallow dolomite perimeter monitoring point **W-23** is located along the south fence line of the Saukville facility.

2.2.2.2 W-27

The sample collected from glacial drift perimeter monitoring point **W-27** contained an elevated concentration of trichloroethene (TCE) (15 µg/L) and an estimated concentration of methylene chloride (2.1 "J" µg/L). The reported concentration of TCE exceeded its ES, while the reported concentration of methylene chloride exceeds its PAL. It's important to note that methylene chloride is a known lab contaminant; therefore, this low-level detection should be suspected as lab contamination.

Glacial drift perimeter monitoring point **W-27** is located upgradient of the Saukville facility on the former Northern Signal facility, currently occupied by JT Roofing. Historically, chlorinated VOCs have not been utilized at the Saukville facility. A recent investigation performed by others on the JT Roofing site discovered significant chlorinated VOC contamination in the soil and groundwater to the west and upgradient of glacial drift monitoring well **W-27**.

2.2.2.3 W-52

The sample collected from shallow dolomite perimeter monitoring point **W-52** contained elevated concentrations of trichlorofluoromethane (91 µg/L), benzene (12 µg/L), cis-1,2-dichloroethene (12 µg/L), vinyl chloride (7.7 µg/L), trans-1,2-dichloroethene (1.0 µg/L), TCE (0.60 µg/L) and estimated concentrations of naphthalene (0.36 µg/L) and methylene chloride (1.8 µg/L). The concentrations of benzene and vinyl chloride exceed their respective ESs, while the concentrations of cis-1,2-dichloroethene, methylene chloride and TCE exceeded their respective PALs. Methylene chloride is a known lab contaminant; therefore, this low-level detection should be suspected as lab contamination.

Perimeter shallow dolomite monitoring well **W-52** is located along the southern fence line of the Saukville facility away from active production areas.

3.0 DISCUSSION OF RESULTS

Overall, the results of the April 2020 groundwater sampling event remain consistent with the results from previous sampling events. The concentrations of VOCs detected during the April 2020 groundwater sampling event are in the expected range of variation and of a similar order of magnitude as observed in previous sampling events. The individual parameters detected during the April 2020 groundwater sampling event are consistent with the parameters detected during previous sampling events.

3.1 RECEPTOR MONITORING POINTS

As noted above, the municipal water supply wells along with the POTW were not sampled during this sampling event due to COVID19 pandemic restrictions in place by the Village of Saukville. If these restrictions are lifted prior to the July 2020 sampling of MW-1, the three (3) municipal wells along with the POTW sample points will be sampled. The RCs continue to discharge shallow groundwater containing VOC constituents to the POTW.

3.2 PERIMETER MONITORING POINTS

Offsite downgradient perimeter monitoring points in the glacial drift and shallow dolomite aquifers continued to exhibit non-detect conditions indicating the onsite groundwater extraction system is effectively limiting the movement of the contaminants present beneath the Saukville Facility from migrating offsite. Upgradient glacial drift perimeter monitoring point **W-27** at the former Northern Signal property continues to exhibit elevated concentrations of chlorinated VOCs including TCE at 15 µg/L, indicating an offsite upgradient source of contamination. While the Ranney Collectors are characterized as receptor monitoring points, the legs of the Ranney Collectors are located within the contamination in the glacial drift associated with the AOCs. Therefore, besides the CVOC contamination detected in the upgradient well **W-27**, the only other contamination detected during the April 2020 sampling event were in shallow dolomite wells **W-23** and **W-52** located along the south fence line. However, the glacial drift aquifer overlying this area was free of contaminants.

3.3 SUMMARY

The results of the April 2020 groundwater sampling event indicated that the parameters and their concentrations are generally consistent with the results from previous groundwater sampling events.

The groundwater results reported for samples collected during the April 2020 groundwater sampling event continue to depict a source of chlorinated VOC contamination located offsite to the west and upgradient of the Saukville facility. The source of the contamination has been confirmed by sampling performed by others on the JT Roofing property. Northern Signal formerly operated a TCE degreaser at the location.

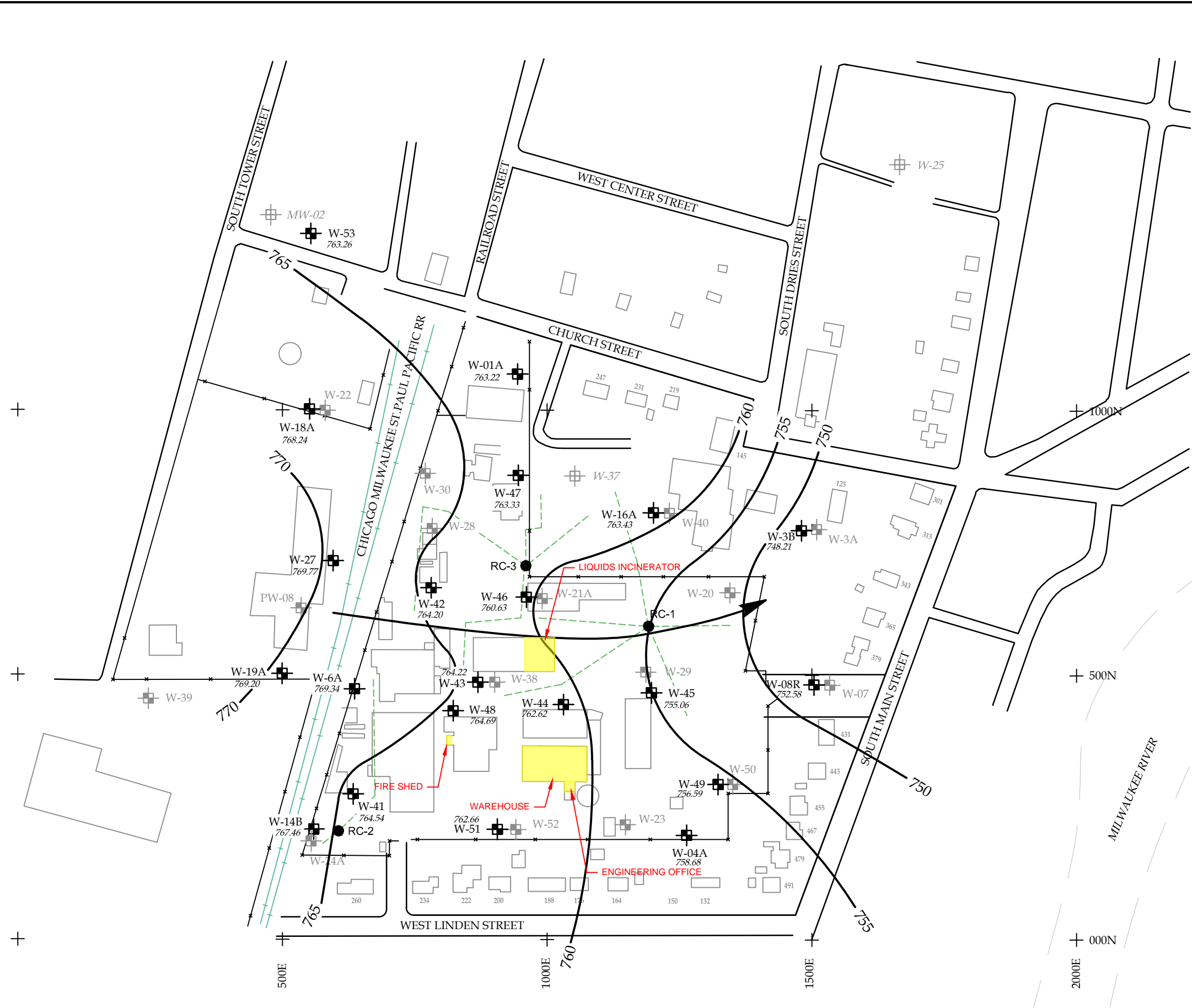
FIGURES

FIGURE 1 – WATER TABLE MAP – GLACIAL DRIFT AQUIFER

FIGURE 2 – POTENTIOMETRIC SURFACE MAP – SHALLOW AND DEEP DOLOMITE AQUIFER

FIGURE 3 - VOC DETECTIONS – GLACIAL DRIFT AQUIFER

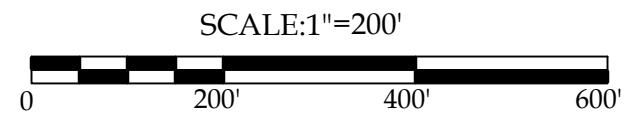
FIGURE 4 – VOC DETECTIONS SHALLOW DOLOMITE AQUIFER



LEGEND

- W-18A MONITORING WELL LOCATION AND NUMBER
- W-18A ABANDONED WELL LOCATION AND NUMBER
- GROUNDWATER FLOW DIRECTION
- NM NOT MEASURED
- CONTOUR INTERVAL = 5 FEET
- RANNEY COLLECTOR
- AR-AFFF STORAGE LOCATION

- NOTES**
1. BASE MAP WAS DEVELOPED FROM DRAWINGS PROVIDED BY RMT, INC.
 2. W-37 WAS ABANDONED AUGUST 2, 1996.
 3. W-25 WAS ABANDONED JULY 29, 1997.
 4. MW-02 WAS ABANDONED NOVEMBER 2004.



**WATER TABLE MAP
GLACIAL DRIFT AQUIFER - SPRING 2020
ARKEMA COATING RESINS
SAUKVILLE, WISCONSIN**

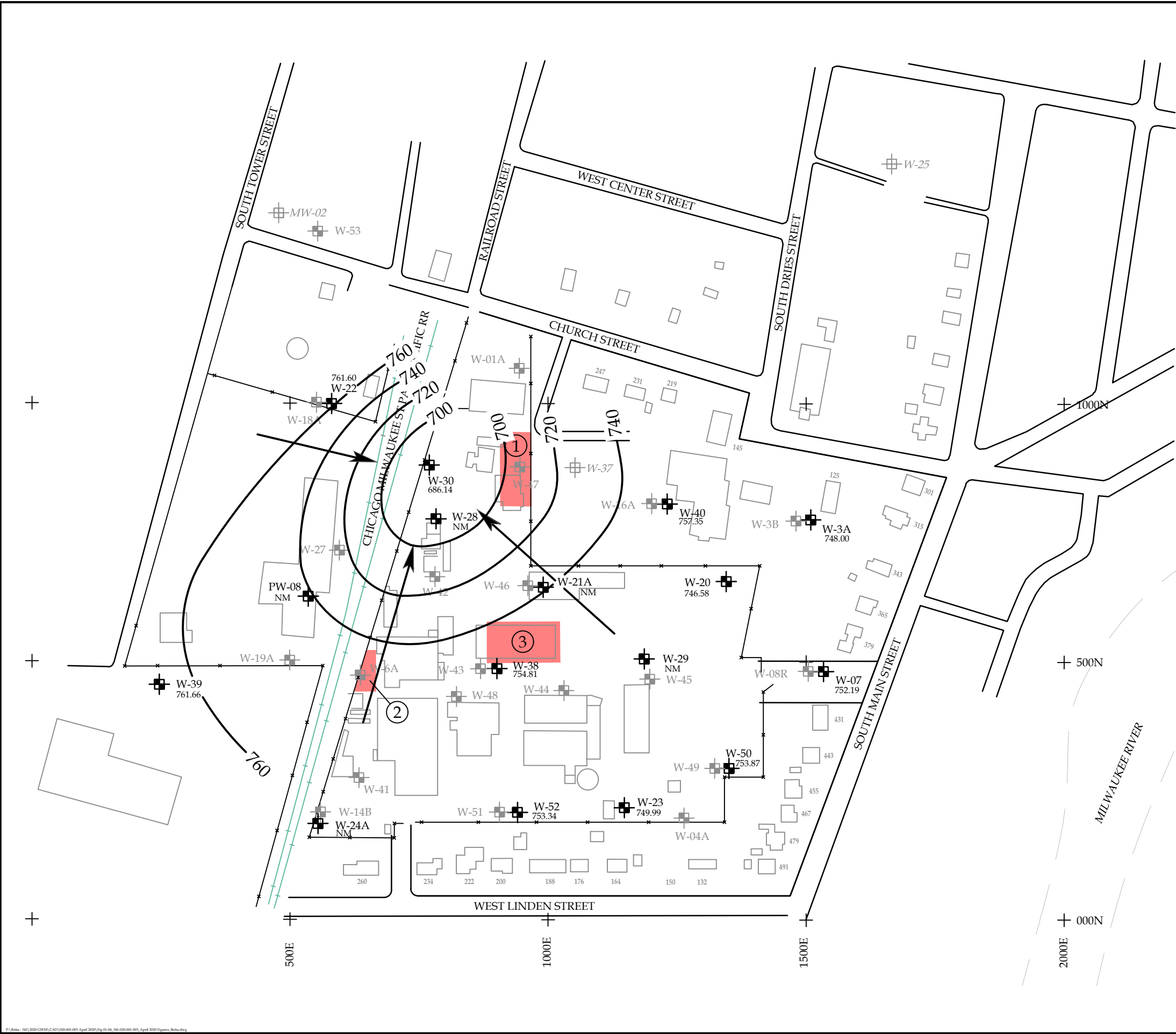
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DRAWN BY: NWD	DATE: 05/06/2020	341-020-001-003
REVIEWED BY: TCP	DWG: APRIL 2020 FIGURES	FIGURE 1

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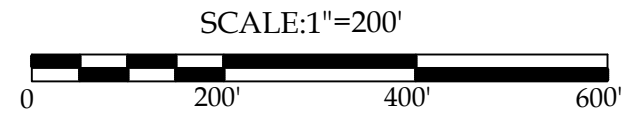


LEGEND

- W-18A MONITORING WELL LOCATION AND NUMBER
- W-18A ABANDONED WELL LOCATION AND NUMBER
- GROUNDWATER FLOW DIRECTION
- NM NOT MEASURED
- CONTOUR INTERVAL = 20 FEET
- AREA OF CONCERN

NOTES

1. BASE MAP WAS DEVELOPED FROM DRAWINGS PROVIDED BY RMT, INC.
2. W-37 WAS ABANDONED AUGUST 2, 1996.
3. W-25 WAS ABANDONED JULY 29, 1997.
4. MW-02 WAS ABANDONED NOVEMBER 2004.



POTENTIOMETRIC SURFACE MAP
 SHALLOW AND DEEP DOLOMITE AQUIFER - SPRING 2020
 ARKEMA COATING RESINS
 SAUKVILLE, WISCONSIN

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REVIEWED BY: TCP	DWG: APRIL 2020 FIGURES	FIGURE 2

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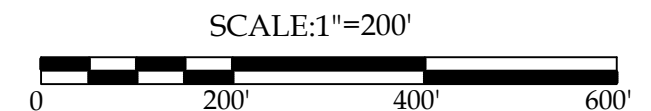
LEGEND

- W-18A MONITORING WELL LOCATION AND NUMBER
- W-18A ABANDONED WELL LOCATION AND NUMBER
- RANNEY COLLECTOR
- AREA OF CONCERN

B	Benzene	ND	Not Detected
1,2-D	1,2-Dichlorobenzene	NS	Not Sampled
E	Ethylbenzene	J	Estimated Result Between Limit of Detection (LOD) and Limit of Quantitation (LOQ)
ISOP	Isopropylbenzene		
MC	Methylene Chloride	ug/L	Micrograms per Liter
N	Naphthalene		Preventive Action Limit (PAL) Exceedance
N-PROP	N-Propylbenzene		Enforcement Standard (ES) Exceedance
T	Toluene		
TRI	1,2,4 and 1,3,5-Trimethylbenzene		
TCE	Trichloroethene		
X	Xylene		

NOTES

1. BASE MAP WAS DEVELOPED FROM DRAWINGS PROVIDED BY RMT, INC.
2. W-37 WAS ABANDONED AUGUST 2, 1996.
3. W-25 WAS ABANDONED JULY 29, 1997.
4. MW-02 WAS ABANDONED NOVEMBER 2004.



VOC DETECTIONS (ug/L)
 GLACIAL DRIFT AQUIFER - APRIL 2020
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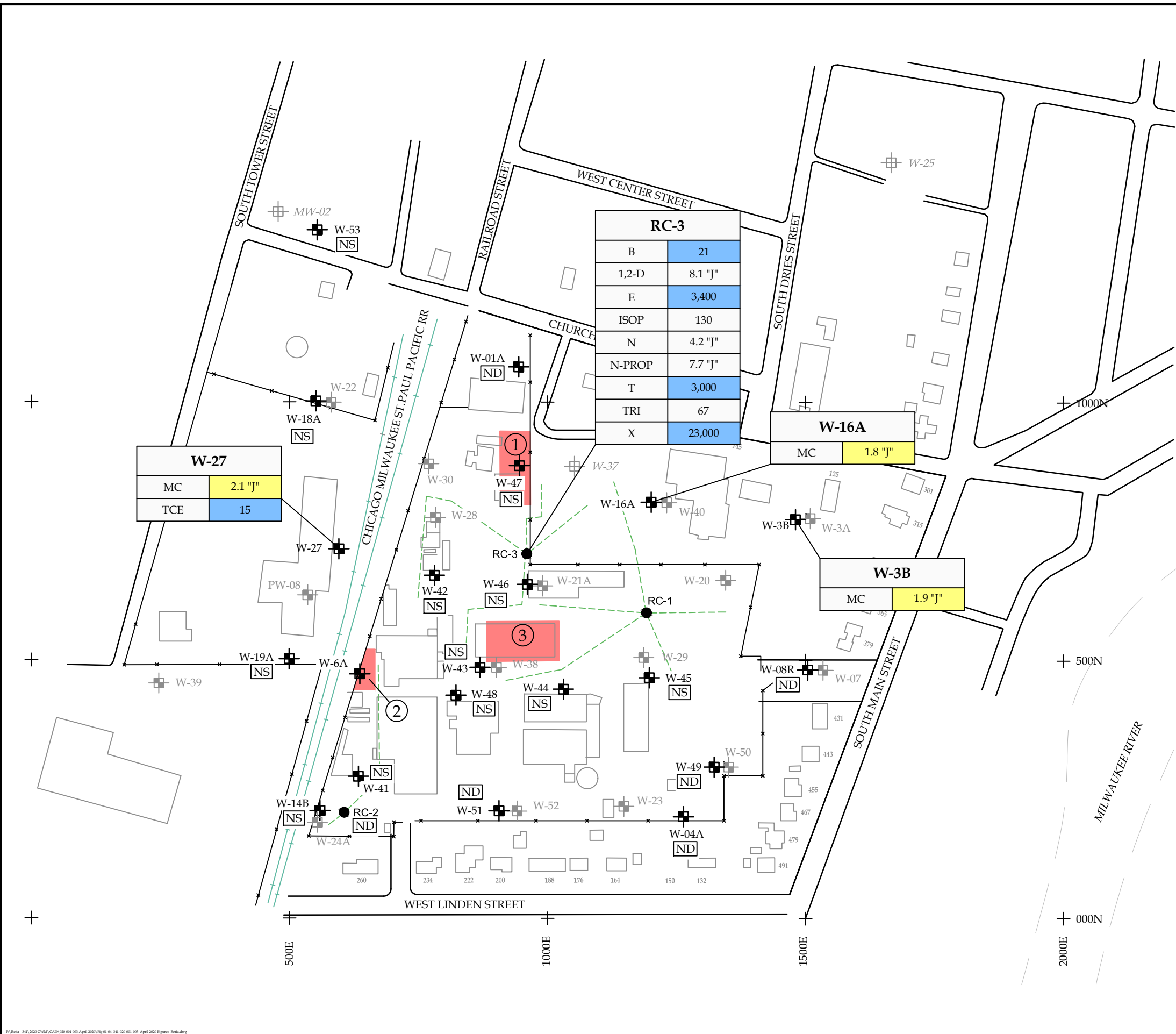
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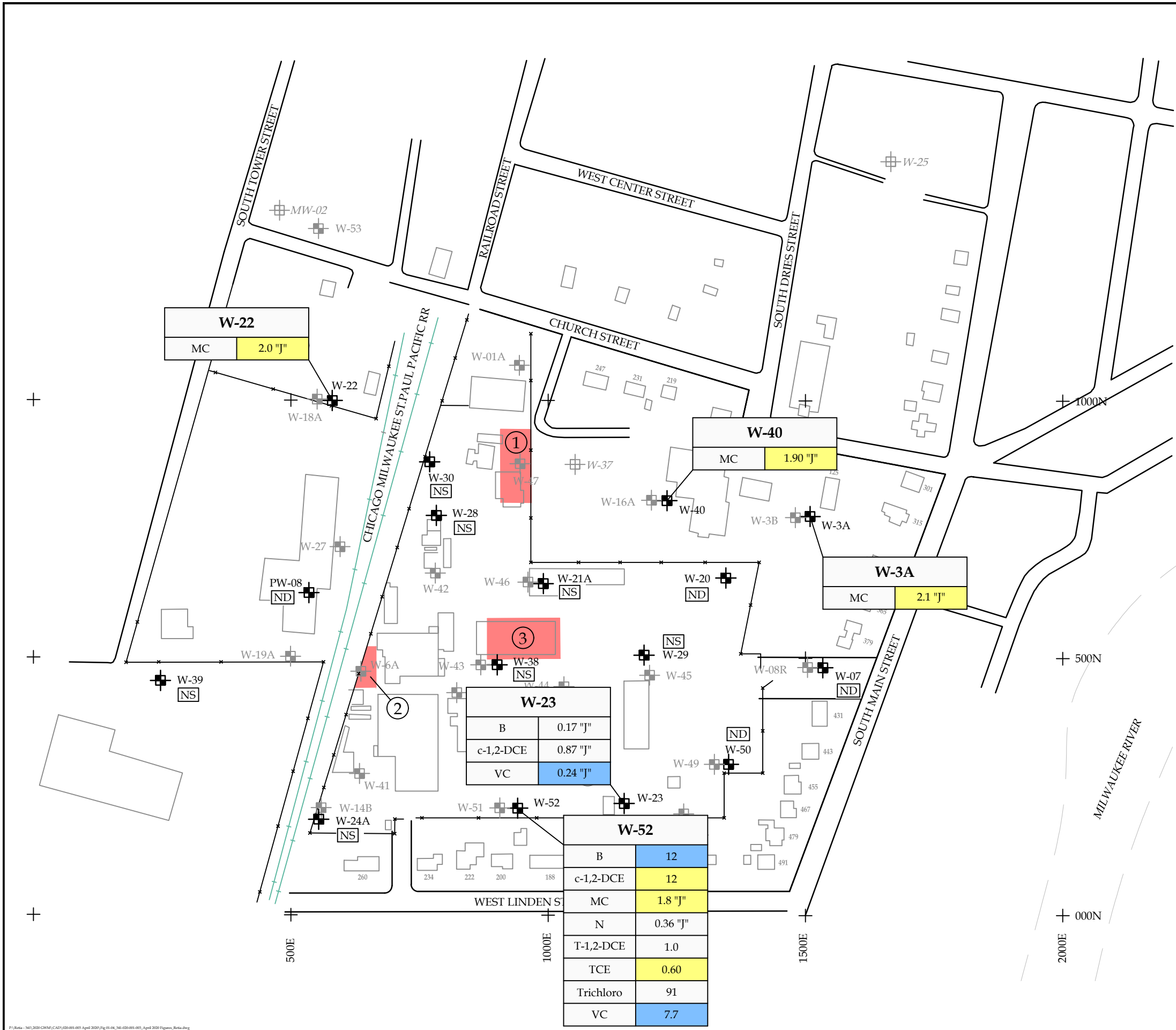
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FIGURE 3





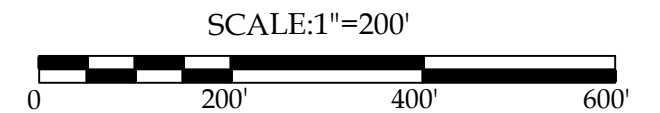
LEGEND

- W-18A MONITORING WELL LOCATION AND NUMBER
- W-18A ABANDONED WELL LOCATION AND NUMBER
- AREA OF CONCERN

B	Benzene	ND	Not Detected
c-1,2-DCE	cis-1,2-Dichloroethene	NS	Not Sampled
MC	Methylene Chloride	J	Estimated Result Between Limit of Detection (LOD) and Limit of Quantitation (LOQ)
N	Naphthalene		
T-1,2-DCE	Trans-1,2-Dichloroethene		Preventive Action Limit (PAL) Exceedance
TCE	Trichloroethene		Enforcement Standard (ES) Exceedance
Trichloro	Trichlorofluoromethane		
VC	Vinyl Chloride		

NOTES

1. BASE MAP WAS DEVELOPED FROM DRAWINGS PROVIDED BY RMT, INC.
2. W-37 WAS ABANDONED AUGUST 2, 1996.
3. W-25 WAS ABANDONED JULY 29, 1997.
4. MW-02 WAS ABANDONED NOVEMBER 2004.



VOC DETECTIONS (ug/L) SHALLOW AND DEEP DOLOMITE AQUIFERS - APRIL 2020
 ARKEMA COATING RESINS
 SAUKVILLE, WISCONSIN

Endpoint Solutions

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DATE: 04/30/2020

341-020-001-003

REVIEWED BY: TCP

DWG: APRIL 2020 FIGURES

FIGURE 4

TABLES

TABLE 1 –MUNICIPAL WATER SUPPLY WELLS - VOC RESULTS

TABLE 2 –POTW - VOC RESULTS

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TABLE 6 – SUMMARY OF PAL AND ES EXCEEDANCES

TABLE 7 – WATER LEVEL MEASUREMENTS

Table 1

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

Sample ID	MW-1-20-2	MW-3-20-2	MW-4-20-2	DUP1-20-2	TB1-20-2
Collection Date	NOT SAMPLED DUE TO COVID19 PANDEMIC RESTRICTIONS				4/6/2020
Laboratory ID					500-180440-9
Duplicate Parent				(MW-4-20-2)	
Monitoring Objective	Receptor	Receptor	Receptor		
Hydrogeologic Unit	Deep Dolomite	Deep Dolomite	Deep Dolomite		
Dilution					
Parameter	PAL	ES	Units		
Benzene	0.5	5	µg/L		<0.15
Bromobenzene	-	-	µg/L		<0.36
Bromochloromethane	-	-	µg/L		<0.43
Bromodichloromethane	0.06	0.6	µg/L		<0.37
Bromoform	0.44	4.4	µg/L		<0.48
Bromomethane	1	10	µg/L		<0.80 *
Carbon tetrachloride	0.5	5	µg/L		<0.38
Chlorobenzene (Monochlorobenzene)	20	100	µg/L		<0.39
Chloroethane	80	400	µg/L		<0.51
Chloroform	0.6	6	µg/L		<0.37
Chloromethane	3	30	µg/L		<0.32
2-Chlorotoluene	-	-	µg/L		<0.31
4-Chlorotoluene	-	-	µg/L		<0.35
cis-1,2-Dichloroethene	7	70	µg/L		<0.41
cis-1,3-Dichloropropene	0.04	0.4	µg/L		<0.42
Dibromochloromethane	6	60	µg/L		<0.49
1,2-Dibromo-3-Chloropropane	0.02	0.2	µg/L		<2.0
1,2-Dichloroethane	0.5	5	µg/L		<0.39
Dibromomethane	0.005	0.05	µg/L		<0.27
1,2-Dichlorobenzene	60	600	µg/L		<0.33
1,3-Dichlorobenzene	120	600	µg/L		<0.40
1,4-Dichlorobenzene	15	75	µg/L		<0.36
Dichlorodifluoromethane	200	1,000	µg/L		<0.67
1,1-Dichloroethane	85	850	µg/L		<0.41
1,2-Dibromoethane	20	100	µg/L		<0.39
1,1-Dichloroethene	0.7	7	µg/L		<0.39
1,2-Dichloropropane	0.5	5	µg/L		<0.43
1,3-Dichloropropane	0.04	0.4	µg/L		<0.36
2,2-Dichloropropane	-	-	µg/L		<0.44
1,1-Dichloropropene	-	-	µg/L		<0.30
Ethylbenzene	140	700	µg/L		<0.18
Hexachlorobutadiene	-	-	µg/L		<0.45
Isopropylbenzene	-	-	µg/L		<0.39
Isopropyl ether	-	-	µg/L		<0.28
Methylene Chloride	0.5	5	µg/L		<1.6
Methyl tert-butyl ether (MTBE)	12	60	µg/L		<0.39
Naphthalene	10	100	µg/L		<0.34
n-Butylbenzene	-	-	µg/L		<0.39
n-Propylbenzene	-	-	µg/L		<0.41
p-Isopropyltoluene	-	-	µg/L		<0.36
sec-Butylbenzene	-	-	µg/L		<0.40
Styrene	10	100	µg/L		<0.39
tert-Butylbenzene	-	-	µg/L		<0.40
1,1,1,2-Tetrachloroethane	7	70	µg/L		<0.46
1,1,2,2-Tetrachloroethane	0.02	0.2	µg/L		<0.40
Tetrachloroethene (PCE)	0.5	5	µg/L		<0.37
Toluene	160	800	µg/L		<0.15
trans-1,2-Dichloroethene	20	100	µg/L		<0.35
trans-1,3-Dichloropropene	0.04	0.4	µg/L		<0.36
1,2,3-Trichlorobenzene	-	-	µg/L		<0.46
1,2,4-Trichlorobenzene	14	70	µg/L		<0.34
1,1,1-Trichloroethane	40	200	µg/L		<0.38
1,1,2-Trichloroethane	0.5	5	µg/L		<0.35
Trichloroethene (TCE)	0.5	5	µg/L		<0.16
Trichlorofluoromethane	698	3,490	µg/L		<0.43
1,2,3-Trichloropropane	12	60	µg/L		<0.41
1,2,4-Trimethylbenzene	96	480	µg/L		<0.36
1,3,5-Trimethylbenzene	-	-	µg/L		<0.25
Vinyl Chloride	0.02	0.2	µg/L		<0.20
Xylenes, Total	400	2,000	µg/L		<0.22
Total VOCs			µg/L	0.0	0.0
Previous Results			µg/L	0.0	0.0
Date				January-20	Oct-19
Dissolved Oxygen			mg/L		
pH					
Conductivity			mS/cm		
Temperature			°C		
Oxidation-Reduction Potential			mV		

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
mS/cm - millisiemens per centimeter
°C - degrees celsius
mV - millivolts

Table 2

POTW-VOC Results
Arkema Coating Resins
Saukville, Wisconsin

Sample ID	POTW-I-20-2	POTW-E-20-2	POTW-S-20-2	
Collection Date	NOT SAMPLED DUE TO COVID19 RESTRICTIONS			
Laboratory ID				
Duplicate Parent				
Monitoring Objective	Receptor	Receptor	Receptor	
Hydrogeologic Unit	POTW	POTW	POTW	
Dilution				
Parameter	Units			
Acetone	µg/L			
Benzene	µg/L			
Bromochloromethane	µg/L			
Bromoform	µg/L			
Bromomethane	µg/L			
Carbon disulfide	µg/L			
Carbon tetrachloride	µg/L			
Chlorobenzene	µg/L			
Chloroethane	µg/L			
Chloroform	µg/L			
Dibromochloromethane	µg/L			
1,4-Dichlorobenzene	µg/L			
1,3-Dichlorobenzene	µg/L			
1,2-Dichlorobenzene	µg/L			
1,2-Dichloroethane	µg/L			
1,1-Dichloroethane	µg/L			
1,1-Dichloroethene	µg/L			
cis-1,2-Dichloroethene	µg/L			
trans-1,2-Dichloroethene	µg/L			
1,2-Dichloropropane	µg/L			
trans-1,3-Dichloropropene	µg/L			
cis-1,3-Dichloropropene	µg/L			
Ethylbenzene	µg/L			
2-Hexanone	µg/L			
Methyl ethyl ketone (MEK)	µg/L			
Methyl isobutyl ketone (MIBK)	µg/L			
Methylene chloride	µg/L			
Styrene	µg/L			
1,1,2,2-Tetrachloroethane	µg/L			
1,1,1,2-Tetrachloroethane	µg/L			
Tetrachloroethene (PCE)	µg/L			
Toluene	µg/L			
1,1,1-Trichloroethane	µg/L			
Trichloroethene (TCE)	µg/L			
Vinyl Acetate	µg/L			
Vinyl Chloride	µg/L			
m&p-Xylene	µg/L			
o-Xylene	µg/L			
Total VOCs	µg/L	0.00	0.00	0
Previous Results	µg/L	27.39	0.00	5,600
Date		Oct-19	Oct-19	Oct-19

VOC - volatile organic compound

µg/L - micrograms per liter

POTW - Publicly Owned Treatment Works

Table 3

Ranney Collector-VOC Results
Arkema Coating Resins
Saukville, Wisconsin

Parameter	PAL	ES	Units	Sample ID	RC-1-20-2	RC-2-20-2	RC-3-20-2
				Collection Date	4/6/2020	4/6/2020	4/6/2020
				Laboratory ID	500-180440-6	500-180440-7	500-180440-8
				Duplicate Parent			
				Monitoring Objective	Receptor	Receptor	Receptor
				Hydrogeologic Unit	Glacial Drift	Glacial Drift	Glacial Drift
				Dilution	1	1	10/50/100
Benzene	0.5	5	µg/L	<0.15	<0.15	21	
Bromobenzene	-	-	µg/L	<0.36	<0.36	<3.6	
Bromochloromethane	-	-	µg/L	<0.43	<0.43	<4.3	
Bromodichloromethane	0.06	0.6	µg/L	<0.37	<0.37	<3.7	
Bromoform	0.44	4.4	µg/L	<0.48	<0.48	<4.8	
Bromomethane	1	10	µg/L	<0.80	<0.80	<8.0	*
Carbon tetrachloride	0.5	5	µg/L	<0.38	<0.38	<3.8	
Chlorobenzene (Monochlorobenzene)	20	100	µg/L	<0.39	<0.39	<3.9	
Chloroethane	80	400	µg/L	<0.51	<0.51	<5.1	
Chloroform	0.6	6	µg/L	<0.37	<0.37	<3.7	
Chloromethane	3	30	µg/L	<0.32	<0.32	<3.2	
2-Chlorotoluene	-	-	µg/L	<0.31	<0.31	<3.1	
4-Chlorotoluene	-	-	µg/L	<0.35	<0.35	<3.5	
cis-1,2-Dichloroethene	7	70	µg/L	<0.41	<0.41	<4.1	
cis-1,3-Dichloropropene	0.04	0.4	µg/L	<0.42	<0.42	<4.2	
Dibromochloromethane	6	60	µg/L	<0.49	<0.49	<4.9	
1,2-Dibromo-3-Chloropropane	0.02	0.2	µg/L	<2.0	<2.0	<20	
1,2-Dichloroethane	0.5	5	µg/L	<0.39	<0.39	<3.9	
Dibromomethane	0.005	0.05	µg/L	<0.27	<0.27	<2.7	
1,2-Dichlorobenzene	60	600	µg/L	<0.33	<0.33	8.1	J
1,3-Dichlorobenzene	120	600	µg/L	<0.40	<0.40	<4.0	
1,4-Dichlorobenzene	15	75	µg/L	<0.36	<0.36	<3.6	
Dichlorodifluoromethane	200	1,000	µg/L	<0.67	<0.67	<6.7	
1,1-Dichloroethane	85	850	µg/L	<0.41	<0.41	<4.1	
1,2-Dibromoethane	20	100	µg/L	<0.39	<0.39	<3.9	
1,1-Dichloroethene	0.7	7	µg/L	<0.39	<0.39	<3.9	
1,2-Dichloropropane	0.5	5	µg/L	<0.43	<0.43	<4.3	
1,3-Dichloropropane	0.04	0.4	µg/L	<0.36	<0.36	<3.6	
2,2-Dichloropropane	-	-	µg/L	<0.44	<0.44	<4.4	
1,1-Dichloropropene	-	-	µg/L	<0.30	<0.30	<3.0	
Ethylbenzene	140	700	µg/L	<0.18	<0.18	3,400	
Hexachlorobutadiene	-	-	µg/L	<0.45	<0.45	<4.5	
Isopropylbenzene	-	-	µg/L	<0.39	<0.39	130	
Isopropyl ether	-	-	µg/L	<0.28	<0.28	<2.8	
Methylene Chloride	0.5	5	µg/L	<1.6	<1.6	<16	
Methyl tert-butyl ether (MTBE)	12	60	µg/L	<0.39	<0.39	<3.9	
Naphthalene	10	100	µg/L	<0.34	<0.34	4.2	J
n-Butylbenzene	-	-	µg/L	<0.39	<0.39	<3.9	
N-Propylbenzene	-	-	µg/L	<0.41	<0.41	7.7	J
p-Isopropyltoluene	-	-	µg/L	<0.36	<0.36	<3.6	
sec-Butylbenzene	-	-	µg/L	<0.40	<0.40	<4.0	
Styrene	10	100	µg/L	<0.39	<0.39	<3.9	
tert-Butylbenzene	-	-	µg/L	<0.40	<0.40	<4.0	
1,1,1,2-Tetrachloroethane	7	70	µg/L	<0.46	<0.46	<4.6	
1,1,2,2-Tetrachloroethane	0.02	0.2	µg/L	<0.40	<0.40	<4.0	
Tetrachloroethene (PCE)	0.5	5	µg/L	<0.37	<0.37	<3.7	
Toluene	160	800	µg/L	<0.15	<0.15	3,000	
trans-1,2-Dichloroethene	20	100	µg/L	<0.35	<0.35	<3.5	
trans-1,3-Dichloropropene	0.04	0.4	µg/L	<0.36	<0.36	<3.6	
1,2,3-Trichlorobenzene	-	-	µg/L	<0.46	<0.46	<4.6	
1,2,4-Trichlorobenzene	14	70	µg/L	<0.34	<0.34	<3.4	
1,1,1-Trichloroethane	40	200	µg/L	<0.38	<0.38	<3.8	
1,1,2-Trichloroethane	0.5	5	µg/L	<0.35	<0.35	<3.5	
Trichloroethene (TCE)	0.5	5	µg/L	<0.16	<0.16	<1.6	
Trichlorofluoromethane	698	3,490	µg/L	<0.43	<0.43	<4.3	
1,2,3-Trichloropropane	12	60	µg/L	<0.41	<0.41	<4.1	
1,2,4-Trimethylbenzene	96	480	µg/L	<0.36	<0.36	48	
1,3,5-Trimethylbenzene	-	-	µg/L	<0.25	<0.25	19	
Vinyl Chloride	0.02	0.2	µg/L	<0.20	<0.20	<2.0	
Xylenes, Total	400	2,000	µg/L	<0.22	<0.22	23,000	
Total VOCs			µg/L	0.00	0.00	29,638	
Previous Results Date			µg/L	1,979.3 Oct-19	0.00 Oct-19	13,240 Oct-19	

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

J - Results reported is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an appro

* - Lab Control Spike (LCS) or Lab Control Spike Duplicate (LCS D) is outside acceptance limits

Perimeter - Glacial Drift Monitoring Wells - VOC Results
Arkema Coating Resins
Saukville, Wisconsin

Sample ID	W-01A-20-2	W-03B-20-2	W-04A-20-2	W-08R-20-2	W-16A-20-2	W-27-20-2	W-49-20-2	W-51-19-2			
Collection Date	4/6/2020	4/7/2020	4/7/2020	4/6/2020	4/6/2020	4/7/2020	4/6/2020	4/7/2020			
Laboratory ID	500-180440-1	500-180440-20	500-180440-13	500-180440-3	500-180440-22	500-180440-17	500-180440-4	500-180440-14			
Duplicate Parent											
Monitoring Objective	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter			
Hydrogeologic Unit	Glacial Drift	Glacial Drift	Glacial Drift	Glacial Drift	Glacial Drift	Glacial Drift	Glacial Drift	Glacial Drift			
Dilution	1	1	1	1	1	1	1	1			
Parameter	PAL	ES	Units	W-01A-20-2	W-03B-20-2	W-04A-20-2	W-08R-20-2	W-16A-20-2	W-27-20-2	W-49-20-2	W-51-19-2
Benzene	0.5	5	µg/L	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Bromobenzene	-	-	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Bromochloromethane	-	-	µg/L	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Bromodichloromethane	0.06	0.6	µg/L	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	0.44	4.4	µg/L	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	1	10	µg/L	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
Carbon tetrachloride	0.5	5	µg/L	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Chlorobenzene (Monochlorobenzene)	20	100	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	80	400	µg/L	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	0.6	6	µg/L	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	3	30	µg/L	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	-	-	µg/L	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
4-Chlorotoluene	-	-	µg/L	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
cis-1,2-Dichloroethene	7	70	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
cis-1,3-Dichloropropene	0.04	0.4	µg/L	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	6	60	µg/L	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dibromo-3-Chloropropane	0.02	0.2	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dichloroethane	0.5	5	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Dibromomethane	0.005	0.05	µg/L	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichlorobenzene	60	600	µg/L	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	120	600	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,4-Dichlorobenzene	15	75	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Dichlorodifluoromethane	200	1,000	µg/L	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	85	850	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dibromoethane	20	100	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1-Dichloroethene	0.7	7	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	0.5	5	µg/L	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3-Dichloropropane	0.04	0.4	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
2,2-Dichloropropane	-	-	µg/L	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,1-Dichloropropene	-	-	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	140	700	µg/L	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	-	-	µg/L	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropylbenzene	-	-	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Isopropyl ether	-	-	µg/L	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Methylene Chloride	0.5	5	µg/L	<1.6	1.9 J	<1.6	<1.6	1.8 J	2.1 J	<1.6	<1.6
Methyl tert-butyl ether (MTBE)	12	60	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Naphthalene	10	100	µg/L	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Butylbenzene	-	-	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
N-Propylbenzene	-	-	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
p-Isopropyltoluene	-	-	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
sec-Butylbenzene	-	-	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Styrene	10	100	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
tert-Butylbenzene	-	-	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,1,1,2-Tetrachloroethane	7	70	µg/L	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,1,2,2-Tetrachloroethane	0.02	0.2	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethene (PCE)	0.5	5	µg/L	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	160	800	µg/L	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	20	100	µg/L	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
trans-1,3-Dichloropropene	0.04	0.4	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichlorobenzene	-	-	µg/L	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	14	70	µg/L	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	40	200	µg/L	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	0.5	5	µg/L	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene (TCE)	0.5	5	µg/L	<0.16	<0.16	<0.16	<0.16	<0.16	15	<0.16	<0.16
Trichlorofluoromethane	698	3,490	µg/L	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,2,3-Trichloropropane	12	60	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2,4-Trimethylbenzene	96	480	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	-	-	µg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Vinyl Chloride	0.02	0.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, Total	400	2,000	µg/L	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Total VOCs			µg/L	0.00	1.90	0.00	0.00	1.80	17.10	0.00	0.00
Previous Results			µg/L	0.00	0.00	0.00	0.28	0.00	73.69	0.00	38
Date				Oct-18	Oct-18	Oct-18	Oct-18	Oct-19	Oct-19	Oct-19	Oct-19
Dissolved Oxygen			mg/L	8.94	0.98	9.42	5.90	5.42	6.15	7.47	4.12
pH				8.62	7.41	7.50	8.12	7.23	7.62	7.94	7.22
Conductivity			mS/cm	0.521	0.743	0.821	0.456	0.413	0.607	0.580	1.532
Temperature			°C	9.20	10.83	8.74	7.69	9.14	11.64	7.70	10.95
Oxidation-Reduction Potential			mV	-182.6	-349.4	-178.8	-244.1	-218.7	-122.4	-223.8	-230.3

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

mS/cm - millisiemens per centimeter

°C - degrees celsius

mV - millivolts

J - Results reported is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value.

Sample ID	W-03A-20-2	DUP3-20-2	W-07-20-2	W-20-20-2	W-22-20-2	W-23-20-2	DUP2-20-2	W-40-20-2	W-50-20-2	W-52-20-2	PW-08-20-2			
Collection Date	4/7/2020	4/7/2020	4/6/2020	4/7/2020	4/7/2020	4/7/2020	4/7/2020	4/8/2020	4/6/2020	4/7/2020	NOT SAMPLED DUE TO COVID19 RESTRICTIONS			
Laboratory ID	500-180440-18	500-180440-19	500-180440-2	500-180440-10	500-180440-16	500-180440-11	500-180440-12	500-180440-21	500-180440-5	500-180440-15				
Duplicate Parent		(W-03A-20-2)					(W-23-20-2)							
Monitoring Objective	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter	Perimeter			
Hydrogeologic Unit	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Shallow Dolomite	Deep Dolomite			
Dilution	1	1	1	1	1	1	1	1	1	1	1			
Parameter	PAL	ES	Units	W-03A-20-2	DUP3-20-2	W-07-20-2	W-20-20-2	W-22-20-2	W-23-20-2	DUP2-20-2	W-40-20-2	W-50-20-2	W-52-20-2	PW-08-20-2
Benzene	0.5	5	µg/L	<0.15	<0.15	<0.15	<0.15	<0.15	0.17	J	0.17	J	<0.15	12
Bromobenzene	-	-	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Bromochloromethane	-	-	µg/L	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Bromodichloromethane	0.06	0.6	µg/L	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	0.44	4.4	µg/L	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	1	10	µg/L	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
Carbon tetrachloride	0.5	5	µg/L	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Chlorobenzene (Monochlorobenzene)	20	100	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	80	400	µg/L	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	0.6	6	µg/L	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	3	30	µg/L	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	-	-	µg/L	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
4-Chlorotoluene	-	-	µg/L	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
cis-1,2-Dichloroethene	7	70	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	0.87	J	0.84	J	<0.41	12
cis-1,3-Dichloropropene	0.04	0.4	µg/L	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
Dibromochloromethane	6	60	µg/L	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dibromo-3-Chloropropane	0.02	0.2	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-Dichloroethane	0.5	5	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Dibromomethane	0.005	0.05	µg/L	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
1,2-Dichlorobenzene	60	600	µg/L	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	120	600	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,4-Dichlorobenzene	15	75	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Dichlorodifluoromethane	200	1,000	µg/L	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	85	850	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dibromoethane	20	100	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1-Dichloroethene	0.7	7	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,2-Dichloropropane	0.5	5	µg/L	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
1,3-Dichloropropane	0.04	0.4	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
2,2-Dichloropropane	-	-	µg/L	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
1,1-Dichloropropene	-	-	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	140	700	µg/L	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachlorobutadiene	-	-	µg/L	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45	<0.45
Isopropylbenzene	-	-	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Isopropyl ether	-	-	µg/L	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Methylene Chloride	0.5	5	µg/L	2.1	J	1.8	J	<1.6	2.0	J	<1.6	1.9	J	<1.6
Methyl tert-butyl ether (MTBE)	12	60	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Naphthalene	10	100	µg/L	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	0.36	JB
n-Butylbenzene	-	-	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
N-Propylbenzene	-	-	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
p-Isopropyltoluene	-	-	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
sec-Butylbenzene	-	-	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Styrene	10	100	µg/L	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
tert-Butylbenzene	-	-	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,1,1,2-Tetrachloroethane	7	70	µg/L	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,1,2,2-Tetrachloroethane	0.02	0.2	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethene (PCE)	0.5	5	µg/L	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Toluene	160	800	µg/L	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
trans-1,2-Dichloroethene	20	100	µg/L	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	1.0
trans-1,3-Dichloropropene	0.04	0.4	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichlorobenzene	-	-	µg/L	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	14	70	µg/L	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	40	200	µg/L	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,2-Trichloroethane	0.5	5	µg/L	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Trichloroethene (TCE)	0.5	5	µg/L	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	0.60	
Trichlorofluoromethane	698	3,490	µg/L	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	91	
1,2,3-Trichloropropane	12	60	µg/L	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2,4-Trimethylbenzene	96	480	µg/L	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	-	-	µg/L	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Vinyl Chloride	0.02	0.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	0.24	J	0.24	J	<0.20	7.7
Xylenes, Total	400	2,000	µg/L	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Total VOCs			µg/L	2.10	1.80	0.00	0.00	2.00	1.28	1.25	1.90	0.00	126.46	0.00
Previous Results			µg/L	0.00		0.00	0.00	0.00	1.30	1.41	0.00	0.00	88.81	0.00
Date				Oct-19		Oct-19	Oct-19	Oct-19	Oct-19	Oct-19	Oct-19	Oct-19	Oct-19	Oct-19
Dissolved Oxygen			mg/L	1.43		7.76	1.71	7.96	1.50		1.62	2.84	3.95	
pH	</													

Table 6
 Summary of PAL and ES Exceedances
 Arkema Coating Resins
 Saukville, Wisconsin

PERIMETER MONITORING POINTS

Parameter	PAL	ES	Units	W-03A-20-2	W-03B-20-2	W-16A-20-2	W-22-20-2	W-23-20-2	W-27-20-2	W-40-20-2	W-52-20-2	RC-3-20-2
Benzene	0.5	5	µg/L					0.17 J			12	21
cis-1,2-Dichloroethene	7	70	µg/L					0.87 J			12	
1,2-Dichlorobenzene	60	600	µg/L									8.1 J
Ethylbenzene	140	700	µg/L									3,400
Isopropylbenzene	-	-	µg/L									130
Methylene Chloride	0.5	5	µg/L	2.1 J	1.9 J	1.8 J	2.0 J		2.1 J	1.90 J	1.8 J	
Naphthalene	10	100	µg/L								0.36 JB	4.2 J
N-Propylbenzene	-	-	µg/L									7.7 J
Toluene	160	800	µg/L									3,000
trans-1,2-Dichloroethene	20	100	µg/L								1.0	
Trichloroethene (TCE)	0.5	5	µg/L						15		0.60	
Trichlorofluoromethane	698	3,490	µg/L								91	
1,2,4-Trimethylbenzene			µg/L									48
1,3,5-Trimethylbenzene	96	480	µg/L									19
Vinyl Chloride	0.02	0.2	µg/L					0.24 J			7.7	
Xylene, Total	400	2,000	µg/L									23,000

Indicates concentration in exceedance of Wis. Admin. Code Chapter NR 140 Preventive Action Limit (PAL)
 Indicates concentration in exceedance of Wis. Admin. Code Chapter NR 140 Enforcement Standard (ES)

µg/L - micrograms per liter
 J - Results reported is less than the Reporting Limit (RL) but greater than or equal to the Method Detection Limit (MDL) and the concentration is an approximate value.
 B - Compound was found in the blank and sample.

Table 7

Water Level Measurements
Arkema Coating Resins
Saukville, Wisconsin

WELL ID	Date	TOC (msl)	Depth to Water (ft)	Water Level (msl)	Notes
W-1A	4/6/2020	768.55	5.33	763.22	
W-3A	4/6/2020	769.31	21.31	748.00	
W-3B	4/6/2020	770.32	22.11	748.21	
W-4A	4/6/2020	767.55	8.87	758.68	
W-6A	4/6/2020	773.27	3.93	769.34	
W-7	4/6/2020	759.32	7.13	752.19	
W-8R	4/6/2020	759.71	7.13	752.58	
W-14B	4/6/2020	773.07	5.61	767.46	
W-16A	4/6/2020	768.74	5.31	763.43	
W-18A	4/6/2020	772.07	3.83	768.24	
W-19A	4/6/2020	775.48	6.28	769.20	
W-20	4/6/2020	767.91	21.33	746.58	
W-21A	4/6/2020	769.22	-----	-----	No Access
W-22	4/6/2020	772.29	10.69	761.60	
W-23	4/6/2020	768.90	18.91	749.99	
W-24A	4/6/2020	772.45	-----	-----	No Access
W-25	ABANDONED				
W-27	4/6/2020	775.70	5.93	769.77	
W-28	4/6/2020	772.41	-----	-----	No Access
W-29	4/6/2020	765.45	-----	-----	No Access
W-30	4/6/2020	771.64	85.50	686.14	82 psi
W-37	ABANDONED				
W-38	4/6/2020	768.75	13.94	754.81	
W-39	4/6/2020	782.19	20.53	761.66	
W-40	4/6/2020	771.64	14.29	757.35	
W-41	4/6/2020	773.73	9.19	764.54	
W-42	4/6/2020	774.40	10.20	764.20	
W-43	4/6/2020	768.44	4.22	764.22	
W-44	4/6/2020	769.30	6.68	762.62	
W-45	4/6/2020	767.97	12.91	755.06	
W-46	4/6/2020	766.17	5.54	760.63	
W-47	4/6/2020	771.22	7.89	763.33	
W-48	4/6/2020	773.37	8.68	764.69	
W-49	4/6/2020	765.83	9.24	756.59	
W-50	4/6/2020	765.74	11.87	753.87	
W-51	4/6/2020	773.48	10.82	762.66	
W-52	4/6/2020	773.01	19.67	753.34	
W-53	4/6/2020	773.12	9.86	763.26	
MW-1	4/6/2020	766.00	-----	-----	No Access
MW-2	ABANDONED				
MW-3	4/6/2020	756.00	-----	-----	No Access
MW-4	4/6/2020	771.00	-----	-----	No Access
PW-08	4/6/2020	775.66	-----	-----	No Access

Table 7

APPENDIX A

GROUNDWATER SAMPLING FIELD REPORTS

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-01A</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-01A</u>	Unique Well #	<u>250</u>

Top of Casing (msl)	<u>768.55</u>	Volume to Purge (gal)	<u>8.26</u>
Depth to Water (ft)	<u>5.33</u>	Volume Purged (gal)	<u>8</u>
Water Elevation (msl)	<u>763.22</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>750.54</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>12.68</u>		

Date	<u>April 6, 2020</u>	DO	<u>8.94</u>	mg/L
Time	<u>10:48</u>	pH	<u>8.62</u>	
Odor	<u>None</u>	Conductivity	<u>0.521</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>9.20</u>	°C
ORP	<u>-182.6</u>			mV

W-01A-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-03A</u>	Well Diameter	<u>6</u>
Well Material	<u>Iron</u>	Sample Type	<u>GW</u>
Point ID	<u>W-03A</u>	Unique Well #	<u>211</u>

Top of Casing (msl)	<u>769.31</u>	Volume to Purge (gal)	<u>until stable</u>
Depth to Water (ft)	<u>21.31</u>	Volume Purged (gal)	<u>20</u>
Water Elevation (msl)	<u>748.00</u>	Purge Method	<u>Pump</u>
Bottom of Well (msl)	<u>535.30</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>212.70</u>		

Date	<u>April 7, 2020</u>	DO	<u>1.43</u>	mg/L
Time	<u>12:45</u>	pH	<u>8.15</u>	
Odor	<u>None</u>	Conductivity	<u>0.262</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>11.50</u>	°C
ORP	<u>-340.9</u>			mV

W-03A-20-2	3-40 ml	VOA	8260A	HCl	No
DUP3-20-2	3-40 ml	VOA	8260A	HCl	No

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-03B</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-03B</u>	Unique Well #	<u>251</u>

Top of Casing (msl)	<u>770.32</u>	Volume to Purge (gal)	<u>until stable</u>
Depth to Water (ft)	<u>22.11</u>	Volume Purged (gal)	<u>20</u>
Water Elevation (msl)	<u>748.21</u>	Purge Method	<u>Pump</u>
Bottom of Well (msl)	<u>700.53</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>47.68</u>		

Date	<u>April 7, 2020</u>	DO	<u>0.98</u>	mg/L
Time	<u>13:15</u>	pH	<u>7.41</u>	
Odor	<u>None</u>	Conductivity	<u>0.743</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>10.83</u>	°C
ORP	<u>-349.4</u>			mV

W-03B-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-04A</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-04A</u>	Unique Well #	<u>252</u>

Top of Casing (msl)	<u>767.55</u>	Volume to Purge (gal)	<u>9.1</u>
Depth to Water (ft)	<u>8.87</u>	Volume Purged (gal)	<u>10</u>
Water Elevation (msl)	<u>758.68</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>744.71</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>13.97</u>		

Date	<u>April 7, 2020</u>	DO	<u>9.42</u>	mg/L
Time	<u>9:35</u>	pH	<u>7.50</u>	
Odor	<u>None</u>	Conductivity	<u>0.821</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>8.74</u>	°C
ORP	<u>-176.8</u>			mV

W-04A-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-07</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-07</u>	Unique Well #	<u>212</u>

Top of Casing (msl)	<u>759.32</u>	Volume to Purge (gal)	<u>11.2</u>
Depth to Water (ft)	<u>7.13</u>	Volume Purged (gal)	<u>6 dry</u>
Water Elevation (msl)	<u>752.19</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>735.02</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>17.17</u>		

Date	<u>April 6, 2020</u>	DO	<u>7.76</u>	mg/L
Time	<u>11:08</u>	pH	<u>8.16</u>	
Odor	<u>None</u>	Conductivity	<u>0.434</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>8.51</u>	°C
ORP	<u>-206.3</u>			mV

W-07-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-08R</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-08R</u>	Unique Well #	<u>275</u>

Top of Casing (msl)	<u>759.71</u>	Volume to Purge (gal)	<u>5</u>
Depth to Water (ft)	<u>7.13</u>	Volume Purged (gal)	<u>3 dry</u>
Water Elevation (msl)	<u>752.58</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>744.76</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>7.82</u>		

Date	<u>April 6, 2020</u>	DO	<u>5.90</u>	mg/L
Time	<u>11:16</u>	pH	<u>8.12</u>	
Odor	<u>None</u>	Conductivity	<u>0.456</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>7.69</u>	°C
ORP	<u>-244.1</u>			mV

W-08R-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-16A</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-16A</u>	Unique Well #	<u>256</u>

Top of Casing (msl)	<u>768.74</u>	Volume to Purge (gal)	<u>7.4</u>
Depth to Water (ft)	<u>5.31</u>	Volume Purged (gal)	<u>8</u>
Water Elevation (msl)	<u>763.43</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>752.06</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>11.37</u>		

Date	<u>April 8, 2020</u>	DO	<u>5.42</u>	mg/L
Time	<u>9:00</u>	pH	<u>7.23</u>	
Odor	<u>None</u>	Conductivity	<u>0.413</u>	ms/cm
Color	<u>Cloudy</u>	Temperature	<u>9.14</u>	°C
ORP	<u>-218.7</u>			mV

W-16A-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-20</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-20</u>	Unique Well #	<u>259</u>

Top of Casing (msl)	<u>767.91</u>	Volume to Purge (gal)	<u>until stable</u>
Depth to Water (ft)	<u>21.33</u>	Volume Purged (gal)	<u>15</u>
Water Elevation (msl)	<u>746.58</u>	Purge Method	<u>Pump</u>
Bottom of Well (msl)	<u>642.15</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>104.43</u>		

Date	<u>April 7, 2020</u>	DO	<u>1.71</u>	mg/L
Time	<u>8:30</u>	pH	<u>7.83</u>	
Odor	<u>None</u>	Conductivity	<u>0.411</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>10.82</u>	°C
ORP	<u>-358.9</u>			mV

W-20-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-22</u>	Well Diameter	<u>4</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-22</u>	Unique Well #	<u>214</u>

Top of Casing (msl)	<u>772.29</u>	Volume to Purge (gal)	<u>until stable</u>
Depth to Water (ft)	<u>10.69</u>	Volume Purged (gal)	<u>15</u>
Water Elevation (msl)	<u>761.39</u>	Purge Method	<u>Pump</u>
Bottom of Well (msl)	<u>679.31</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>82.08</u>		

Date	<u>April 7, 2020</u>	DO	<u>7.96</u>	mg/L
Time	<u>11:15</u>	pH	<u>7.25</u>	
Odor	<u>None</u>	Conductivity	<u>0.789</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>12.32</u>	°C
ORP	<u>-182.8</u>			mV

W-22-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-23</u>	Well Diameter	<u>4</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-23</u>	Unique Well #	<u>215</u>

Top of Casing (msl)	<u>768.90</u>	Volume to Purge (gal)	<u>until stable</u>
Depth to Water (ft)	<u>18.91</u>	Volume Purged (gal)	<u>15</u>
Water Elevation (msl)	<u>49.99</u>	Purge Method	<u>Pump</u>
Bottom of Well (msl)	<u>701.74</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>48.25</u>		

Date	<u>April 7, 2020</u>	DO	<u>1.50</u> mg/L
Time	<u>9:10</u>	pH	<u>7.02</u>
Odor	<u>None</u>	Conductivity	<u>1.675</u> ms/cm
Color	<u>Clear</u>	Temperature	<u>10.73</u> °C
ORP	<u>-357.2</u> mV		

W-23-20-2	3-40 ml	VOA	8260A	HCl	No
DUP2-20-2	3-40 ml	VOA	8260A	HCl	No

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-27</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-27</u>	Unique Well #	<u>260</u>

Top of Casing (msl)	<u>775.47</u>	Volume to Purge (gal)	<u>11.62</u>
Depth to Water (ft)	<u>5.93</u>	Volume Purged (gal)	<u>12</u>
Water Elevation (msl)	<u>769.54</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>751.72</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>17.82</u>		

Date	<u>April 7, 2020</u>	DO	<u>6.15</u>	mg/L
Time	<u>11:50</u>	pH	<u>7.62</u>	
Odor	<u>None</u>	Conductivity	<u>0.607</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>11.64</u>	°C
ORP	<u>-122.4</u>			mV

W-27-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-40</u>	Well Diameter	<u>6</u>
Well Material	<u>Steel</u>	Sample Type	<u>GW</u>
Point ID	<u>W-40</u>	Unique Well #	<u>222</u>

Top of Casing (msl)	<u>771.64</u>	Volume to Purge (gal)	<u>until stable</u>
Depth to Water (ft)	<u>14.29</u>	Volume Purged (gal)	<u>20</u>
Water Elevation (msl)	<u>757.35</u>	Purge Method	<u>Pump</u>
Bottom of Well (msl)	<u>718.69</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>738.66</u>		

Date	<u>April 8, 2020</u>	DO	<u>1.62</u>	mg/L
Time	<u>8:45</u>	pH	<u>7.14</u>	
Odor	<u>None</u>	Conductivity	<u>0.559</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>11.28</u>	°C
ORP	<u>-350.0</u>			mV

W-40-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-49</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-49</u>	Unique Well #	<u>276</u>

Top of Casing (msl)	<u>765.83</u>	Volume to Purge (gal)	<u>7.68</u>
Depth to Water (ft)	<u>9.24</u>	Volume Purged (gal)	<u>8</u>
Water Elevation (msl)	<u>756.59</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>744.80</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>11.79</u>		

Date	<u>April 6, 2020</u>	DO	<u>7.47</u>	mg/L
Time	<u>11:55</u>	pH	<u>7.94</u>	
Odor	<u>None</u>	Conductivity	<u>0.580</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>7.70</u>	°C
ORP	<u>-223.8</u>			mV

W-49-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-50</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-50</u>	Unique Well #	<u>277</u>

Top of Casing (msl)	<u>765.74</u>	Volume to Purge (gal)	<u>14.32</u>
Depth to Water (ft)	<u>11.87</u>	Volume Purged (gal)	<u>15</u>
Water Elevation (msl)	<u>753.87</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>731.90</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>21.97</u>		

Date	<u>April 6, 2020</u>	DO	<u>2.84</u>	mg/L
Time	<u>12:20</u>	pH	<u>8.32</u>	
Odor	<u>None</u>	Conductivity	<u>0.614</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>9.19</u>	°C
ORP	<u>-300.8</u>			mV

W-50-20-2	2 - 40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-51</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-51</u>	Unique Well #	<u>278</u>

Top of Casing (msl)	<u>773.48</u>	Volume to Purge (gal)	<u>10.47</u>
Depth to Water (ft)	<u>10.82</u>	Volume Purged (gal)	<u>6 dry</u>
Water Elevation (msl)	<u>762.66</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>746.60</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>16.06</u>		

Date	<u>April 7, 2020</u>	DO	<u>4.12</u>	mg/L
Time	<u>10:10</u>	pH	<u>7.22</u>	
Odor	<u>None</u>	Conductivity	<u>1.532</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>10.95</u>	°C
ORP	<u>-230.3</u>			mV

W-51-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>W-52</u>	Well Diameter	<u>2</u>
Well Material	<u>PVC</u>	Sample Type	<u>GW</u>
Point ID	<u>W-52</u>	Unique Well #	<u>279</u>

Top of Casing (msl)	<u>773.01</u>	Volume to Purge (gal)	<u>11.76</u>
Depth to Water (ft)	<u>19.67</u>	Volume Purged (gal)	<u>12</u>
Water Elevation (msl)	<u>753.34</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>735.30</u>	Disposal Method	<u>Drum</u>
Feet of Water (ft)	<u>18.04</u>		

Date	<u>April 7, 2020</u>	DO	<u>3.95</u>	mg/L
Time	<u>10:35</u>	pH	<u>7.21</u>	
Odor	<u>Solvent, sweet</u>	Conductivity	<u>1.059</u>	ms/cm
Color	<u>Clear</u>	Temperature	<u>11.90</u>	°C
ORP	<u>-240.3</u>			mV

W-52-20-2	3-40 ml	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	Arkema-Saukville	Project Number	341-020-003
Sample Location	PW-08	Well Diameter	6
Well Material	Iron	Sample Type	GW
Point ID	PW-08	Unique Well #	205

Top of Casing (msl)	775.66	Volume to Purge (gal)	until stable
Depth to Water (ft)	Not Available	Volume Purged (gal)	-----
Water Elevation (msl)	-----	Purge Method	Pump
Bottom of Well (msl)	319.68	Disposal Method	Drum
Feet of Water (ft)	-----		

Date	-----	DO	----- mg/L
Time	-----	pH	-----
Odor	-----	Conductivity	----- ms/cm
Color	-----	Temperature	----- °C
ORP	----- mV		

PW-08-20-2	-----	VOA	8260A	HCl	No
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GROUNDWATER SAMPLING

Project Name	Arkema-Saukville	Project Number	341-020-003
Sample Location	MW-01	Well Diameter	10
Well Material	Steel	Sample Type	DW
Point ID	MW-01	Unique Well #	201

Top of Casing (msl)	766.00	Volume to Purge (gal)	-----
Depth to Water (ft)	Not Available	Volume Purged (gal)	-----
Water Elevation (msl)	-----	Purge Method	Tap
Bottom of Well (msl)	274	Disposal Method	Drain
Feet of Water (ft)	-----		

Date	-----	DO	-----	mg/L
Time	-----	pH	-----	
Odor	-----	Conductivity	-----	ms/cm
Color	-----	Temperature	-----	°C
ORP	-----			mV

MW-1-20-2	-----	VOA	8260A	HCl	No
-----------	-------	-----	-------	-----	----

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>MW-03</u>	Well Diameter	<u>10</u>
Well Material	<u>Steel</u>	Sample Type	<u>DW</u>
Point ID	<u>MW-03</u>	Unique Well #	<u>203</u>

Top of Casing (msl)	<u>756.00</u>	Volume to Purge (gal)	<u>-----</u>
Depth to Water (ft)	<u>Not Available</u>	Volume Purged (gal)	<u>-----</u>
Water Elevation (msl)	<u>-----</u>	Purge Method	<u>Tap</u>
Bottom of Well (msl)	<u>256</u>	Disposal Method	<u>Drain</u>
Feet of Water (ft)	<u>-----</u>		

Date	<u>-----</u>	DO	<u>-----</u>	mg/L
Time	<u>-----</u>	pH	<u>-----</u>	
Odor	<u>-----</u>	Conductivity	<u>-----</u>	ms/cm
Color	<u>-----</u>	Temperature	<u>-----</u>	°C
ORP	<u>-----</u>			mV

MW-3-20-2	-----	VOA	8260A	HCl	No
-----------	-------	-----	-------	-----	----

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>MW-04</u>	Well Diameter	<u>10</u>
Well Material	<u>Steel</u>	Sample Type	<u>DW</u>
Point ID	<u>MW-04</u>	Unique Well #	<u>204</u>

Top of Casing (msl)	<u>771.00</u>	Volume to Purge (gal)	<u>-----</u>
Depth to Water (ft)	<u>Not Available</u>	Volume Purged (gal)	<u>-----</u>
Water Elevation (msl)	<u>-----</u>	Purge Method	<u>Tap</u>
Bottom of Well (msl)	<u>296</u>	Disposal Method	<u>Drain</u>
Feet of Water (ft)	<u>-----</u>		

Date	<u>-----</u>	DO	<u>-----</u> mg/L
Time	<u>-----</u>	pH	<u>-----</u>
Odor	<u>-----</u>	Conductivity	<u>-----</u> ms/cm
Color	<u>-----</u>	Temperature	<u>-----</u> °C
ORP	<u>-----</u> mV		

MW-4-20-2	<u>-----</u>	VOA	8260A	HCl	No
DUP1-20-2	<u>-----</u>	VOA	8260A	HCl	No

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>RC-1</u>	Well Diameter	<u>NA</u>
Well Material	<u>Steel</u>	Sample Type	<u>WW</u>
Point ID	<u>RC-1</u>	Unique Well #	<u> </u>

Top of Casing (msl)	<u>~</u>	Volume to Purge (gal)	<u>~</u>
Depth to Water (ft)	<u>~</u>	Volume Purged (gal)	<u>~</u>
Water Elevation (msl)	<u>~</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>~</u>	Disposal Method	<u>~</u>
Feet of Water (ft)	<u>~</u>		

Date	<u>April 6, 2020</u>	DO	<u>~</u> mg/L
Time	<u>12:45</u>	pH	<u>~</u>
Odor	<u>~</u>	Conductivity	<u>~</u> ms/cm
Color	<u>~</u>	Temperature	<u>~</u> °C
ORP	<u>~</u> mV		

RC-1-20-2	3-40 ml	VOA	8260A	HCl	No
-----------	---------	-----	-------	-----	----

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>RC-2</u>	Well Diameter	<u>NA</u>
Well Material	<u>Steel</u>	Sample Type	<u>WW</u>
Point ID	<u>RC-2</u>	Unique Well #	<u> </u>

Top of Casing (msl)	<u>~</u>	Volume to Purge (gal)	<u>~</u>
Depth to Water (ft)	<u>~</u>	Volume Purged (gal)	<u>~</u>
Water Elevation (msl)	<u>~</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>~</u>	Disposal Method	<u>~</u>
Feet of Water (ft)	<u>~</u>		

Date	<u>April 6, 2020</u>	DO	<u>~</u>	mg/L
Time	<u>13:00</u>	pH	<u>~</u>	
Odor	<u>~</u>	Conductivity	<u>~</u>	ms/cm
Color	<u>~</u>	Temperature	<u>~</u>	°C
ORP	<u>~</u>			mV

RC-2-20-2	3-40 ml	VOA	8260A	HCl	No
-----------	---------	-----	-------	-----	----

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>RC-3</u>	Well Diameter	<u>NA</u>
Well Material	<u>Steel</u>	Sample Type	<u>WW</u>
Point ID	<u>RC-3</u>	Unique Well #	<u> </u>

Top of Casing (msl)	<u>~</u>	Volume to Purge (gal)	<u>~</u>
Depth to Water (ft)	<u>~</u>	Volume Purged (gal)	<u>~</u>
Water Elevation (msl)	<u>~</u>	Purge Method	<u>Bailer</u>
Bottom of Well (msl)	<u>~</u>	Disposal Method	<u>~</u>
Feet of Water (ft)	<u>~</u>		

Date	<u>April 6, 2020</u>	DO	<u>~</u>	mg/L
Time	<u>13:15</u>	pH	<u>~</u>	
Odor	<u>~</u>	Conductivity	<u>~</u>	ms/cm
Color	<u>~</u>	Temperature	<u>~</u>	°C
ORP	<u>~</u>			mV

RC-3-20-2	3-40 ml	VOA	8260A	HCl	No
-----------	---------	-----	-------	-----	----

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>POTW-I</u>	Well Diameter	<u>NA</u>
Well Material	<u>Wet Well</u>	Sample Type	<u>WW</u>
Point ID	<u>POTW-I</u>	Unique Well #	<u> </u>

Top of Casing (msl)	<u>~</u>	Volume to Purge (gal)	<u>~</u>
Depth to Water (ft)	<u>~</u>	Volume Purged (gal)	<u>~</u>
Water Elevation (msl)	<u>~</u>	Purge Method	<u>Sample Tap</u>
Bottom of Well (msl)	<u>~</u>	Disposal Method	<u>~</u>
Feet of Water (ft)	<u>~</u>		

Date	<u>Not Available</u>	DO	<u>~</u> mg/L
Time	<u>-----</u>	pH	<u>~</u>
Odor	<u>~</u>	Conductivity	<u>~</u> ms/cm
Color	<u>~</u>	Temperature	<u>~</u> °C
ORP	<u>~</u> mV		

POTW-I-20-2	-----	VOA	8260A	HCl	No
-------------	-------	-----	-------	-----	----

GROUNDWATER SAMPLING

Project Name	Arkema-Saukville	Project Number	341-020-003
Sample Location	POTW-E	Well Diameter	NA
Well Material	Contact Trough	Sample Type	WW
Point ID	POTW-E	Unique Well #	

Top of Casing (msl)	~	Volume to Purge (gal)	~
Depth to Water (ft)	~	Volume Purged (gal)	~
Water Elevation (msl)	~	Purge Method	Dipper Pole
Bottom of Well (msl)	~	Disposal Method	~
Feet of Water (ft)	~		

Date	Not Available	DO	-----	mg/L
Time	-----	pH	-----	
Odor	-----	Conductivity	-----	ms/cm
Color	-----	Temperature	-----	°C
ORP	-----			mV

POTW-E-20-2	-----	VOA	8260A	HCl	No
-------------	-------	-----	-------	-----	----

GROUNDWATER SAMPLING

Project Name	<u>Arkema-Saukville</u>	Project Number	<u>341-020-003</u>
Sample Location	<u>POTW-S</u>	Well Diameter	<u>NA</u>
Well Material	<u>Sampling Tap</u>	Sample Type	<u>WW</u>
Point ID	<u>POTW-S</u>	Unique Well #	<u> </u>

Top of Casing (msl)	<u>~</u>	Volume to Purge (gal)	<u>~</u>
Depth to Water (ft)	<u>~</u>	Volume Purged (gal)	<u>~</u>
Water Elevation (msl)	<u>~</u>	Purge Method	<u>Sample Tap</u>
Bottom of Well (msl)	<u>~</u>	Disposal Method	<u>~</u>
Feet of Water (ft)	<u>~</u>		

Date	<u>Not Available</u>	DO	<u>~</u> mg/L
Time	<u>-----</u>	pH	<u>~</u>
Odor	<u>~</u>	Conductivity	<u>~</u> ms/cm
Color	<u>~</u>	Temperature	<u>~</u> °C
ORP	<u>~</u> mV		

POTW-S-20-2	-----	VOA	8260A	HCl	No
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APPENDIX B

ANALYTES AND REPORTING LIMITS

All analytical testing was performed by Eurofins TestAmerica, Chicago Environmental Testing (Eurofins) in University Park, Illinois (WI Certification # 999580010). The following methods were used to analyze the submitted samples.

VOCs SW846 8260B

LABORATORY AND DATA VALIDATION QUALIFIERS

The following qualifiers were used to denote quality control comments.

* - Lab control sample (LCS) or Lab control sample duplicate (LCSD) is outside acceptable limits.

B - Compound was found in the blank and sample.

F1 - Matrix spike (MS) and/or Matrix spike duplicate (MSD) recovery exceeds control limits.

J - Result is less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

ANALYTICAL REPORT

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

Laboratory Job ID: 500-180440-1
Client Project/Site: Arkema - Saukville 341-020-003
Revision: 1

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

Attn: Mr. Tim Petrick



Authorized for release by:
4/27/2020 1:54:03 PM

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

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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 341-020-003

Job ID: 500-180440-1

Job ID: 500-180440-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-180440-1

Comments

No additional comments.

Receipt

The samples were received on 4/9/2020 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.6° C.

Receipt Exceptions

REVISION: Updated case narrative/flagging for methylene chloride.

GC/MS VOA

Method 8260B: Methylene chloride was detected in the following samples: W-52-20-2 (500-180440-15), W-22-20-2 (500-180440-16), W-27-20-2 (500-180440-17), W-03A-20-2 (500-180440-18), DUP3-20-2 (500-180440-19), W-03B-20-2 (500-180440-20), W-40-20-2 (500-180440-21) and W-16A-20-2 (500-180440-22). The method blank associated with these samples was non-detect for Methylene chloride. Methylene chloride is known lab contaminant; therefore all low level detects for this compound should be suspected as lab contamination.

Method 8260B: The following samples were collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory: W-01A-20-2 (500-180440-1), W-08R-20-2 (500-180440-3) and W-51-20-2 (500-180440-14).

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: RC-3-20-2 (500-180440-8). Elevated reporting limits (RLs) are provided.

Method 8260B: The method blank for 538300 contained Methylene chloride above the method detection limit (MDL) and below the reporting limit (RL). This target analyte was not detected in the samples; therefore, re-analysis of samples were not performed.

Method 8260B: The laboratory control sample (LCS) for 538300 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The method blank for 538445 contained Naphthalene above the method detection limit and below the Reporting limit (RL). This target analyte concentration was less than the reporting limit (RL) in the associated samples; therefore, re-analysis of samples was not performed. Naphthalene results have been flagged in the associated samples with a "B" flag denote the presence in the blank and possible lab contamination.

Method 8260B: The laboratory control sample (LCS) for 538445 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 538300 were outside control limits for Bromomethane and Chloroethane. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was biased high for Bromomethane and the rest of the analytes were within acceptance limits.

Method 8260B: Internal standard (1,4-Dioxane-d8) responses were outside of acceptance limits for the following CCVIS, CCV IX and LCSD for batch 538300: W-01A-20-2 (500-180440-1), W-07-20-2 (500-180440-2), W-08R-20-2 (500-180440-3), W-49-20-2 (500-180440-4), W-50-20-2 (500-180440-5), RC-1-20-2 (500-180440-6), RC-2-20-2 (500-180440-7), RC-3-20-2 (500-180440-8), TB1-20-2 (500-180440-9), W-20-20-2 (500-180440-10), W-23-20-2 (500-180440-11), DUP2-20-2 (500-180440-12), W-04A-20-2 (500-180440-13), W-51-20-2 (500-180440-14), (CCV 500-538300/3), (CCVIS 500-538300/2), (LCSD 500-538300/4), (500-180440-A-1 MS) and (500-180440-A-1 MSD). No analyte was associated with this internal standard.

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
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-01A-20-2

Lab Sample ID: 500-180440-1

No Detections.

Client Sample ID: W-07-20-2

Lab Sample ID: 500-180440-2

No Detections.

Client Sample ID: W-08R-20-2

Lab Sample ID: 500-180440-3

No Detections.

Client Sample ID: W-49-20-2

Lab Sample ID: 500-180440-4

No Detections.

Client Sample ID: W-50-20-2

Lab Sample ID: 500-180440-5

No Detections.

Client Sample ID: RC-1-20-2

Lab Sample ID: 500-180440-6

No Detections.

Client Sample ID: RC-2-20-2

Lab Sample ID: 500-180440-7

No Detections.

Client Sample ID: RC-3-20-2

Lab Sample ID: 500-180440-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	21		5.0	1.5	ug/L	10		8260B	Total/NA
1,2-Dichlorobenzene	8.1	J	10	3.3	ug/L	10		8260B	Total/NA
Isopropylbenzene	130		10	3.9	ug/L	10		8260B	Total/NA
Naphthalene	4.2	J	10	3.4	ug/L	10		8260B	Total/NA
N-Propylbenzene	7.7	J	10	4.1	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	48		10	3.6	ug/L	10		8260B	Total/NA
1,3,5-Trimethylbenzene	19		10	2.5	ug/L	10		8260B	Total/NA
Ethylbenzene - DL	3400		50	18	ug/L	100		8260B	Total/NA
Toluene - DL	3000		50	15	ug/L	100		8260B	Total/NA
Xylenes, Total - DL	23000		100	22	ug/L	100		8260B	Total/NA

Client Sample ID: TB1-20-2

Lab Sample ID: 500-180440-9

No Detections.

Client Sample ID: W-20-20-2

Lab Sample ID: 500-180440-10

No Detections.

Client Sample ID: W-23-20-2

Lab Sample ID: 500-180440-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.87	J	1.0	0.41	ug/L	1		8260B	Total/NA
Vinyl chloride	0.24	J	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: DUP2-20-2

Lab Sample ID: 500-180440-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.17	J	0.50	0.15	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.84	J	1.0	0.41	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: DUP2-20-2 (Continued)

Lab Sample ID: 500-180440-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.24	J	1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: W-04A-20-2

Lab Sample ID: 500-180440-13

No Detections.

Client Sample ID: W-51-20-2

Lab Sample ID: 500-180440-14

No Detections.

Client Sample ID: W-52-20-2

Lab Sample ID: 500-180440-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	12		0.50	0.15	ug/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	12		1.0	0.41	ug/L	1		8260B	Total/NA
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA
Naphthalene	0.36	J B	1.0	0.34	ug/L	1		8260B	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.35	ug/L	1		8260B	Total/NA
Trichloroethene	0.60		0.50	0.16	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	91		1.0	0.43	ug/L	1		8260B	Total/NA
Vinyl chloride	7.7		1.0	0.20	ug/L	1		8260B	Total/NA

Client Sample ID: W-22-20-2

Lab Sample ID: 500-180440-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.0	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: W-27-20-2

Lab Sample ID: 500-180440-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.1	J	5.0	1.6	ug/L	1		8260B	Total/NA
Trichloroethene	15		0.50	0.16	ug/L	1		8260B	Total/NA

Client Sample ID: W-03A-20-2

Lab Sample ID: 500-180440-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.1	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: DUP3-20-2

Lab Sample ID: 500-180440-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: W-03B-20-2

Lab Sample ID: 500-180440-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

Client Sample ID: W-40-20-2

Lab Sample ID: 500-180440-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.9	J	5.0	1.6	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-16A-20-2

Lab Sample ID: 500-180440-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.8	J	5.0	1.6	ug/L	1		8260B	Total/NA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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 341-020-003

Job ID: 500-180440-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-180440-1	W-01A-20-2	Water	04/06/20 10:48	04/09/20 09:40	
500-180440-2	W-07-20-2	Water	04/06/20 11:08	04/09/20 09:40	
500-180440-3	W-08R-20-2	Water	04/06/20 11:16	04/09/20 09:40	
500-180440-4	W-49-20-2	Water	04/06/20 11:55	04/09/20 09:40	
500-180440-5	W-50-20-2	Water	04/06/20 12:20	04/09/20 09:40	
500-180440-6	RC-1-20-2	Water	04/06/20 12:45	04/09/20 09:40	
500-180440-7	RC-2-20-2	Water	04/06/20 13:00	04/09/20 09:40	
500-180440-8	RC-3-20-2	Water	04/06/20 13:15	04/09/20 09:40	
500-180440-9	TB1-20-2	Water	04/06/20 00:00	04/09/20 09:40	
500-180440-10	W-20-20-2	Water	04/07/20 08:30	04/09/20 09:40	
500-180440-11	W-23-20-2	Water	04/07/20 09:10	04/09/20 09:40	
500-180440-12	DUP2-20-2	Water	04/07/20 00:00	04/09/20 09:40	
500-180440-13	W-04A-20-2	Water	04/07/20 09:35	04/09/20 09:40	
500-180440-14	W-51-20-2	Water	04/07/20 10:10	04/09/20 09:40	
500-180440-15	W-52-20-2	Water	04/07/20 10:35	04/09/20 09:40	
500-180440-16	W-22-20-2	Water	04/07/20 11:15	04/09/20 09:40	
500-180440-17	W-27-20-2	Water	04/07/20 11:50	04/09/20 09:40	
500-180440-18	W-03A-20-2	Water	04/07/20 12:45	04/09/20 09:40	
500-180440-19	DUP3-20-2	Water	04/07/20 00:00	04/09/20 09:40	
500-180440-20	W-03B-20-2	Water	04/07/20 13:15	04/09/20 09:40	
500-180440-21	W-40-20-2	Water	04/08/20 08:45	04/09/20 09:40	
500-180440-22	W-16A-20-2	Water	04/08/20 09:00	04/09/20 09:40	

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-01A-20-2

Lab Sample ID: 500-180440-1

Date Collected: 04/06/20 10:48

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 00:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 00:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 00:52	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 00:52	1
Bromomethane	<0.80	F1 *	3.0	0.80	ug/L			04/16/20 00:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 00:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
Chloroethane	<0.51	F1	1.0	0.51	ug/L			04/16/20 00:52	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 00:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 00:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 00:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 00:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 00:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 00:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 00:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 00:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 00:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 00:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 00:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 00:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 00:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 00:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 00:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 00:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 00:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 00:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 00:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 00:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 00:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 00:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 00:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:52	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 00:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:52	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 00:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 00:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 00:52	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 00:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 00:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 00:52	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-01A-20-2

Lab Sample ID: 500-180440-1

Date Collected: 04/06/20 10:48

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 00:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 00:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 00:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 00:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 00:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 00:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 00:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 00:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 00:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 00:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		72 - 124		04/16/20 00:52	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 00:52	1
1,2-Dichloroethane-d4 (Surr)	87		75 - 126		04/16/20 00:52	1
Toluene-d8 (Surr)	98		75 - 120		04/16/20 00:52	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-07-20-2

Lab Sample ID: 500-180440-2

Date Collected: 04/06/20 11:08

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 01:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 01:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 01:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 01:18	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 01:18	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 01:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 01:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 01:18	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 01:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 01:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 01:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 01:18	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 01:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 01:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 01:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 01:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 01:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 01:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 01:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 01:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 01:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 01:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 01:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 01:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 01:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 01:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 01:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 01:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 01:18	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 01:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 01:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 01:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 01:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 01:18	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 01:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 01:18	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 01:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 01:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 01:18	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 01:18	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 01:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 01:18	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-07-20-2

Lab Sample ID: 500-180440-2

Date Collected: 04/06/20 11:08

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 01:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 01:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 01:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 01:18	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 01:18	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 01:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 01:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 01:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 01:18	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 01:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		04/16/20 01:18	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 01:18	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		04/16/20 01:18	1
Toluene-d8 (Surr)	97		75 - 120		04/16/20 01:18	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-08R-20-2

Lab Sample ID: 500-180440-3

Date Collected: 04/06/20 11:16

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 01:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 01:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 01:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 01:43	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 01:43	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 01:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 01:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 01:43	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 01:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 01:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 01:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 01:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 01:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 01:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 01:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 01:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 01:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 01:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 01:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 01:43	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 01:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 01:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 01:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 01:43	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 01:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 01:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 01:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 01:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 01:43	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 01:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 01:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 01:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 01:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 01:43	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 01:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 01:43	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 01:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 01:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 01:43	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 01:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 01:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 01:43	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-08R-20-2

Lab Sample ID: 500-180440-3

Date Collected: 04/06/20 11:16

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 01:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 01:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 01:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 01:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 01:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 01:43	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 01:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 01:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 01:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 01:43	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		72 - 124		04/16/20 01:43	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 01:43	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		04/16/20 01:43	1
Toluene-d8 (Surr)	98		75 - 120		04/16/20 01:43	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-49-20-2

Lab Sample ID: 500-180440-4

Date Collected: 04/06/20 11:55

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 02:08	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:08	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 02:08	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 02:08	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 02:08	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 02:08	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 02:08	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 02:08	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 02:08	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 02:08	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 02:08	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 02:08	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 02:08	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 02:08	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 02:08	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 02:08	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 02:08	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 02:08	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:08	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:08	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 02:08	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 02:08	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 02:08	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 02:08	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 02:08	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 02:08	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 02:08	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 02:08	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 02:08	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 02:08	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 02:08	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 02:08	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 02:08	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:08	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 02:08	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:08	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 02:08	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 02:08	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 02:08	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 02:08	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 02:08	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 02:08	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-49-20-2

Lab Sample ID: 500-180440-4

Date Collected: 04/06/20 11:55

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 02:08	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 02:08	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 02:08	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 02:08	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 02:08	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 02:08	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 02:08	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:08	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 02:08	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 02:08	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		72 - 124		04/16/20 02:08	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 02:08	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		04/16/20 02:08	1
Toluene-d8 (Surr)	98		75 - 120		04/16/20 02:08	1

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-50-20-2

Lab Sample ID: 500-180440-5

Date Collected: 04/06/20 12:20

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 02:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 02:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 02:33	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 02:33	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 02:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 02:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 02:33	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 02:33	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 02:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 02:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 02:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 02:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 02:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 02:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 02:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 02:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 02:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:33	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 02:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 02:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 02:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 02:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 02:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 02:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 02:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 02:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 02:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 02:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 02:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 02:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 02:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:33	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 02:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 02:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 02:33	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 02:33	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 02:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 02:33	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 02:33	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-50-20-2

Lab Sample ID: 500-180440-5

Date Collected: 04/06/20 12:20

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 02:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 02:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 02:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 02:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 02:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 02:33	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 02:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 02:33	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 02:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		72 - 124		04/16/20 02:33	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 02:33	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		04/16/20 02:33	1
Toluene-d8 (Surr)	96		75 - 120		04/16/20 02:33	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: RC-1-20-2

Lab Sample ID: 500-180440-6

Date Collected: 04/06/20 12:45

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 02:59	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:59	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 02:59	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 02:59	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 02:59	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 02:59	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 02:59	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 02:59	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 02:59	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 02:59	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 02:59	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 02:59	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 02:59	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 02:59	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 02:59	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 02:59	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 02:59	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 02:59	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:59	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:59	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 02:59	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 02:59	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 02:59	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 02:59	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 02:59	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 02:59	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 02:59	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 02:59	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 02:59	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 02:59	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 02:59	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 02:59	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 02:59	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:59	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 02:59	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 02:59	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 02:59	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 02:59	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 02:59	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 02:59	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 02:59	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 02:59	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: RC-1-20-2

Lab Sample ID: 500-180440-6

Date Collected: 04/06/20 12:45

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 02:59	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 02:59	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 02:59	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 02:59	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 02:59	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 02:59	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 02:59	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 02:59	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 02:59	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 02:59	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		72 - 124		04/16/20 02:59	1
Dibromofluoromethane (Surr)	99		75 - 120		04/16/20 02:59	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		04/16/20 02:59	1
Toluene-d8 (Surr)	98		75 - 120		04/16/20 02:59	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: RC-2-20-2

Lab Sample ID: 500-180440-7

Date Collected: 04/06/20 13:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 03:24	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 03:24	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 03:24	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 03:24	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 03:24	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 03:24	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 03:24	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 03:24	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 03:24	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 03:24	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 03:24	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 03:24	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 03:24	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 03:24	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 03:24	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 03:24	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 03:24	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 03:24	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 03:24	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 03:24	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 03:24	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 03:24	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 03:24	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 03:24	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 03:24	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 03:24	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 03:24	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 03:24	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 03:24	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 03:24	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 03:24	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 03:24	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 03:24	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 03:24	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 03:24	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 03:24	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 03:24	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 03:24	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 03:24	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 03:24	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 03:24	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 03:24	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: RC-2-20-2

Lab Sample ID: 500-180440-7

Date Collected: 04/06/20 13:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 03:24	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 03:24	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 03:24	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 03:24	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 03:24	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 03:24	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 03:24	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 03:24	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 03:24	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 03:24	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		72 - 124		04/16/20 03:24	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 03:24	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		04/16/20 03:24	1
Toluene-d8 (Surr)	96		75 - 120		04/16/20 03:24	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: RC-3-20-2

Lab Sample ID: 500-180440-8

Date Collected: 04/06/20 13:15

Matrix: Water

Date Received: 04/09/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	21		5.0	1.5	ug/L			04/16/20 05:54	10
Bromobenzene	<3.6		10	3.6	ug/L			04/16/20 05:54	10
Bromochloromethane	<4.3		10	4.3	ug/L			04/16/20 05:54	10
Bromodichloromethane	<3.7		10	3.7	ug/L			04/16/20 05:54	10
Bromoform	<4.8		10	4.8	ug/L			04/16/20 05:54	10
Bromomethane	<8.0 *		30	8.0	ug/L			04/16/20 05:54	10
Carbon tetrachloride	<3.8		10	3.8	ug/L			04/16/20 05:54	10
Chlorobenzene	<3.9		10	3.9	ug/L			04/16/20 05:54	10
Chloroethane	<5.1		10	5.1	ug/L			04/16/20 05:54	10
Chloroform	<3.7		20	3.7	ug/L			04/16/20 05:54	10
Chloromethane	<3.2		10	3.2	ug/L			04/16/20 05:54	10
2-Chlorotoluene	<3.1		10	3.1	ug/L			04/16/20 05:54	10
4-Chlorotoluene	<3.5		10	3.5	ug/L			04/16/20 05:54	10
cis-1,2-Dichloroethene	<4.1		10	4.1	ug/L			04/16/20 05:54	10
cis-1,3-Dichloropropene	<4.2		10	4.2	ug/L			04/16/20 05:54	10
Dibromochloromethane	<4.9		10	4.9	ug/L			04/16/20 05:54	10
1,2-Dibromo-3-Chloropropane	<20		50	20	ug/L			04/16/20 05:54	10
1,2-Dibromoethane	<3.9		10	3.9	ug/L			04/16/20 05:54	10
Dibromomethane	<2.7		10	2.7	ug/L			04/16/20 05:54	10
1,2-Dichlorobenzene	8.1 J		10	3.3	ug/L			04/16/20 05:54	10
1,3-Dichlorobenzene	<4.0		10	4.0	ug/L			04/16/20 05:54	10
1,4-Dichlorobenzene	<3.6		10	3.6	ug/L			04/16/20 05:54	10
Dichlorodifluoromethane	<6.7		30	6.7	ug/L			04/16/20 05:54	10
1,1-Dichloroethane	<4.1		10	4.1	ug/L			04/16/20 05:54	10
1,2-Dichloroethane	<3.9		10	3.9	ug/L			04/16/20 05:54	10
1,1-Dichloroethene	<3.9		10	3.9	ug/L			04/16/20 05:54	10
1,2-Dichloropropane	<4.3		10	4.3	ug/L			04/16/20 05:54	10
1,3-Dichloropropane	<3.6		10	3.6	ug/L			04/16/20 05:54	10
2,2-Dichloropropane	<4.4		10	4.4	ug/L			04/16/20 05:54	10
1,1-Dichloropropene	<3.0		10	3.0	ug/L			04/16/20 05:54	10
Hexachlorobutadiene	<4.5		10	4.5	ug/L			04/16/20 05:54	10
Isopropylbenzene	130		10	3.9	ug/L			04/16/20 05:54	10
Isopropyl ether	<2.8		10	2.8	ug/L			04/16/20 05:54	10
Methylene Chloride	<16		50	16	ug/L			04/16/20 05:54	10
Methyl tert-butyl ether	<3.9		10	3.9	ug/L			04/16/20 05:54	10
Naphthalene	4.2 J		10	3.4	ug/L			04/16/20 05:54	10
n-Butylbenzene	<3.9		10	3.9	ug/L			04/16/20 05:54	10
N-Propylbenzene	7.7 J		10	4.1	ug/L			04/16/20 05:54	10
p-Isopropyltoluene	<3.6		10	3.6	ug/L			04/16/20 05:54	10
sec-Butylbenzene	<4.0		10	4.0	ug/L			04/16/20 05:54	10
Styrene	<3.9		10	3.9	ug/L			04/16/20 05:54	10
tert-Butylbenzene	<4.0		10	4.0	ug/L			04/16/20 05:54	10
1,1,1,2-Tetrachloroethane	<4.6		10	4.6	ug/L			04/16/20 05:54	10
1,1,2,2-Tetrachloroethane	<4.0		10	4.0	ug/L			04/16/20 05:54	10
Tetrachloroethene	<3.7		10	3.7	ug/L			04/16/20 05:54	10
trans-1,2-Dichloroethene	<3.5		10	3.5	ug/L			04/16/20 05:54	10
trans-1,3-Dichloropropene	<3.6		10	3.6	ug/L			04/16/20 05:54	10
1,2,3-Trichlorobenzene	<4.6		10	4.6	ug/L			04/16/20 05:54	10
1,2,4-Trichlorobenzene	<3.4		10	3.4	ug/L			04/16/20 05:54	10

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: RC-3-20-2

Lab Sample ID: 500-180440-8

Date Collected: 04/06/20 13:15

Matrix: Water

Date Received: 04/09/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<3.8		10	3.8	ug/L			04/16/20 05:54	10
1,1,2-Trichloroethane	<3.5		10	3.5	ug/L			04/16/20 05:54	10
Trichloroethene	<1.6		5.0	1.6	ug/L			04/16/20 05:54	10
Trichlorofluoromethane	<4.3		10	4.3	ug/L			04/16/20 05:54	10
1,2,3-Trichloropropane	<4.1		20	4.1	ug/L			04/16/20 05:54	10
1,2,4-Trimethylbenzene	48		10	3.6	ug/L			04/16/20 05:54	10
1,3,5-Trimethylbenzene	19		10	2.5	ug/L			04/16/20 05:54	10
Vinyl chloride	<2.0		10	2.0	ug/L			04/16/20 05:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		72 - 124		04/16/20 05:54	10
Dibromofluoromethane (Surr)	98		75 - 120		04/16/20 05:54	10
1,2-Dichloroethane-d4 (Surr)	88		75 - 126		04/16/20 05:54	10
Toluene-d8 (Surr)	99		75 - 120		04/16/20 05:54	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	3400		50	18	ug/L			04/16/20 06:19	100
Toluene	3000		50	15	ug/L			04/16/20 06:19	100
Xylenes, Total	23000		100	22	ug/L			04/16/20 06:19	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		72 - 124		04/16/20 06:19	100
Dibromofluoromethane (Surr)	99		75 - 120		04/16/20 06:19	100
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		04/16/20 06:19	100
Toluene-d8 (Surr)	97		75 - 120		04/16/20 06:19	100

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: TB1-20-2

Lab Sample ID: 500-180440-9

Date Collected: 04/06/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 00:27	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:27	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 00:27	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 00:27	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 00:27	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 00:27	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 00:27	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 00:27	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 00:27	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 00:27	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 00:27	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 00:27	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 00:27	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 00:27	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 00:27	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 00:27	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 00:27	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 00:27	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:27	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:27	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 00:27	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 00:27	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 00:27	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 00:27	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 00:27	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 00:27	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 00:27	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 00:27	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 00:27	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 00:27	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 00:27	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 00:27	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 00:27	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:27	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 00:27	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:27	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 00:27	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 00:27	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 00:27	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 00:27	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 00:27	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 00:27	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: TB1-20-2

Lab Sample ID: 500-180440-9

Date Collected: 04/06/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 00:27	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 00:27	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 00:27	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 00:27	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 00:27	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 00:27	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 00:27	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:27	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 00:27	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 00:27	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		04/16/20 00:27	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 00:27	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		04/16/20 00:27	1
Toluene-d8 (Surr)	97		75 - 120		04/16/20 00:27	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-20-20-2

Lab Sample ID: 500-180440-10

Date Collected: 04/07/20 08:30

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 03:49	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 03:49	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 03:49	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 03:49	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 03:49	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 03:49	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 03:49	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 03:49	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 03:49	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 03:49	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 03:49	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 03:49	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 03:49	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 03:49	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 03:49	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 03:49	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 03:49	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 03:49	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 03:49	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 03:49	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 03:49	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 03:49	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 03:49	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 03:49	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 03:49	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 03:49	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 03:49	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 03:49	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 03:49	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 03:49	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 03:49	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 03:49	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 03:49	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 03:49	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 03:49	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 03:49	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 03:49	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 03:49	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 03:49	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 03:49	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 03:49	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 03:49	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-20-20-2

Lab Sample ID: 500-180440-10

Date Collected: 04/07/20 08:30

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 03:49	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 03:49	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 03:49	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 03:49	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 03:49	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 03:49	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 03:49	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 03:49	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 03:49	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 03:49	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 03:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124		04/16/20 03:49	1
Dibromofluoromethane (Surr)	98		75 - 120		04/16/20 03:49	1
1,2-Dichloroethane-d4 (Surr)	88		75 - 126		04/16/20 03:49	1
Toluene-d8 (Surr)	99		75 - 120		04/16/20 03:49	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-23-20-2

Lab Sample ID: 500-180440-11

Date Collected: 04/07/20 09:10

Matrix: Water

Date Received: 04/09/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.17	J	0.50	0.15	ug/L			04/16/20 04:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 04:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 04:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 04:14	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 04:14	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 04:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 04:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 04:14	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 04:14	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 04:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 04:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 04:14	1
cis-1,2-Dichloroethene	0.87	J	1.0	0.41	ug/L			04/16/20 04:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 04:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 04:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 04:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 04:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 04:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 04:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 04:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 04:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 04:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 04:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 04:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 04:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 04:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 04:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 04:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 04:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 04:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 04:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 04:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 04:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 04:14	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 04:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 04:14	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 04:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 04:14	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 04:14	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 04:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 04:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 04:14	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-23-20-2

Lab Sample ID: 500-180440-11

Date Collected: 04/07/20 09:10

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 04:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 04:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 04:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 04:14	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 04:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 04:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 04:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 04:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 04:14	1
Vinyl chloride	0.24	J	1.0	0.20	ug/L			04/16/20 04:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 04:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		72 - 124		04/16/20 04:14	1
Dibromofluoromethane (Surr)	100		75 - 120		04/16/20 04:14	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 126		04/16/20 04:14	1
Toluene-d8 (Surr)	97		75 - 120		04/16/20 04:14	1

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: DUP2-20-2

Lab Sample ID: 500-180440-12

Date Collected: 04/07/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.17	J	0.50	0.15	ug/L			04/16/20 04:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 04:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 04:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 04:39	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 04:39	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 04:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 04:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 04:39	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 04:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 04:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 04:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 04:39	1
cis-1,2-Dichloroethene	0.84	J	1.0	0.41	ug/L			04/16/20 04:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 04:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 04:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 04:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 04:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 04:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 04:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 04:39	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 04:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 04:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 04:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 04:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 04:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 04:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 04:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 04:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 04:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 04:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 04:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 04:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 04:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 04:39	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 04:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 04:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 04:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 04:39	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 04:39	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 04:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 04:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 04:39	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: DUP2-20-2

Lab Sample ID: 500-180440-12

Date Collected: 04/07/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 04:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 04:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 04:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 04:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 04:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 04:39	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 04:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 04:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 04:39	1
Vinyl chloride	0.24	J	1.0	0.20	ug/L			04/16/20 04:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 04:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		72 - 124		04/16/20 04:39	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 04:39	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		04/16/20 04:39	1
Toluene-d8 (Surr)	97		75 - 120		04/16/20 04:39	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-04A-20-2

Lab Sample ID: 500-180440-13

Date Collected: 04/07/20 09:35

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 05:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 05:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 05:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 05:04	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 05:04	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 05:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 05:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 05:04	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 05:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 05:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 05:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 05:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 05:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 05:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 05:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 05:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 05:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 05:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 05:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 05:04	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 05:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 05:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 05:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 05:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 05:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 05:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 05:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 05:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 05:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 05:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 05:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 05:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 05:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 05:04	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 05:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 05:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 05:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 05:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 05:04	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 05:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 05:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 05:04	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-04A-20-2

Lab Sample ID: 500-180440-13

Date Collected: 04/07/20 09:35

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 05:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 05:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 05:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 05:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 05:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 05:04	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 05:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 05:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 05:04	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 05:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 05:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		72 - 124					04/16/20 05:04	1
Dibromofluoromethane (Surr)	100		75 - 120					04/16/20 05:04	1
1,2-Dichloroethane-d4 (Surr)	88		75 - 126					04/16/20 05:04	1
Toluene-d8 (Surr)	99		75 - 120					04/16/20 05:04	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-51-20-2

Lab Sample ID: 500-180440-14

Date Collected: 04/07/20 10:10

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 05:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 05:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 05:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 05:29	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 05:29	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 05:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 05:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 05:29	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 05:29	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 05:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 05:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 05:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 05:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 05:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 05:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 05:29	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 05:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 05:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 05:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 05:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 05:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 05:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 05:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 05:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 05:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 05:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 05:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 05:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 05:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 05:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 05:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 05:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 05:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 05:29	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 05:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 05:29	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 05:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 05:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 05:29	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 05:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 05:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 05:29	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-51-20-2

Lab Sample ID: 500-180440-14

Date Collected: 04/07/20 10:10

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 05:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 05:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 05:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 05:29	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 05:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 05:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 05:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 05:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 05:29	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 05:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 05:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		72 - 124		04/16/20 05:29	1
Dibromofluoromethane (Surr)	99		75 - 120		04/16/20 05:29	1
1,2-Dichloroethane-d4 (Surr)	88		75 - 126		04/16/20 05:29	1
Toluene-d8 (Surr)	98		75 - 120		04/16/20 05:29	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-52-20-2

Lab Sample ID: 500-180440-15

Date Collected: 04/07/20 10:35

Matrix: Water

Date Received: 04/09/20 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12		0.50	0.15	ug/L			04/16/20 13:18	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 13:18	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 13:18	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 13:18	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 13:18	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 13:18	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 13:18	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 13:18	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 13:18	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 13:18	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 13:18	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 13:18	1
cis-1,2-Dichloroethene	12		1.0	0.41	ug/L			04/16/20 13:18	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 13:18	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 13:18	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 13:18	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 13:18	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 13:18	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 13:18	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 13:18	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 13:18	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 13:18	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 13:18	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 13:18	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 13:18	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 13:18	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 13:18	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 13:18	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 13:18	1
Methylene Chloride	1.8 J		5.0	1.6	ug/L			04/16/20 13:18	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
Naphthalene	0.36 J B		1.0	0.34	ug/L			04/16/20 13:18	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 13:18	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 13:18	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 13:18	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 13:18	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 13:18	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 13:18	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 13:18	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 13:18	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 13:18	1
trans-1,2-Dichloroethene	1.0		1.0	0.35	ug/L			04/16/20 13:18	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 13:18	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-52-20-2

Lab Sample ID: 500-180440-15

Date Collected: 04/07/20 10:35

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 13:18	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 13:18	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 13:18	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 13:18	1
Trichloroethene	0.60		0.50	0.16	ug/L			04/16/20 13:18	1
Trichlorofluoromethane	91		1.0	0.43	ug/L			04/16/20 13:18	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 13:18	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 13:18	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 13:18	1
Vinyl chloride	7.7		1.0	0.20	ug/L			04/16/20 13:18	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 13:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		72 - 124		04/16/20 13:18	1
Dibromofluoromethane (Surr)	97		75 - 120		04/16/20 13:18	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 126		04/16/20 13:18	1
Toluene-d8 (Surr)	106		75 - 120		04/16/20 13:18	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-22-20-2

Lab Sample ID: 500-180440-16

Date Collected: 04/07/20 11:15

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 13:42	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 13:42	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 13:42	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 13:42	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 13:42	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 13:42	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 13:42	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 13:42	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 13:42	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 13:42	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 13:42	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 13:42	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 13:42	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 13:42	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 13:42	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 13:42	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 13:42	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 13:42	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 13:42	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 13:42	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 13:42	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 13:42	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 13:42	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 13:42	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 13:42	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 13:42	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 13:42	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 13:42	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 13:42	1
Methylene Chloride	2.0	J	5.0	1.6	ug/L			04/16/20 13:42	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 13:42	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 13:42	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 13:42	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 13:42	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 13:42	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 13:42	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 13:42	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 13:42	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 13:42	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 13:42	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 13:42	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 13:42	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-22-20-2

Lab Sample ID: 500-180440-16

Date Collected: 04/07/20 11:15

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 13:42	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 13:42	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 13:42	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 13:42	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 13:42	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 13:42	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 13:42	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 13:42	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 13:42	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 13:42	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		72 - 124		04/16/20 13:42	1
Dibromofluoromethane (Surr)	102		75 - 120		04/16/20 13:42	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		04/16/20 13:42	1
Toluene-d8 (Surr)	103		75 - 120		04/16/20 13:42	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-27-20-2

Lab Sample ID: 500-180440-17

Date Collected: 04/07/20 11:50

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 14:06	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:06	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 14:06	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 14:06	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 14:06	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 14:06	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 14:06	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 14:06	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 14:06	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 14:06	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 14:06	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 14:06	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 14:06	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 14:06	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 14:06	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 14:06	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 14:06	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 14:06	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:06	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:06	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 14:06	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 14:06	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 14:06	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 14:06	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 14:06	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 14:06	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 14:06	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 14:06	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 14:06	1
Methylene Chloride	2.1	J	5.0	1.6	ug/L			04/16/20 14:06	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 14:06	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 14:06	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 14:06	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:06	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 14:06	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:06	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 14:06	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 14:06	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 14:06	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 14:06	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 14:06	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 14:06	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-27-20-2

Lab Sample ID: 500-180440-17

Date Collected: 04/07/20 11:50

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 14:06	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 14:06	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 14:06	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 14:06	1
Trichloroethene	15		0.50	0.16	ug/L			04/16/20 14:06	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 14:06	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 14:06	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:06	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 14:06	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 14:06	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		72 - 124		04/16/20 14:06	1
Dibromofluoromethane (Surr)	97		75 - 120		04/16/20 14:06	1
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		04/16/20 14:06	1
Toluene-d8 (Surr)	105		75 - 120		04/16/20 14:06	1

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-03A-20-2

Lab Sample ID: 500-180440-18

Date Collected: 04/07/20 12:45

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 14:30	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 14:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 14:30	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 14:30	1
Bromomethane	<0.80	*	3.0	0.80	ug/L			04/16/20 14:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 14:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 14:30	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 14:30	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 14:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 14:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 14:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 14:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 14:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 14:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 14:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 14:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 14:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 14:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 14:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 14:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 14:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 14:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 14:30	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 14:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 14:30	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 14:30	1
Methylene Chloride	2.1	J	5.0	1.6	ug/L			04/16/20 14:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 14:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 14:30	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 14:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:30	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 14:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:30	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 14:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 14:30	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 14:30	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 14:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 14:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 14:30	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-03A-20-2

Lab Sample ID: 500-180440-18

Date Collected: 04/07/20 12:45

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 14:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 14:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 14:30	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 14:30	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 14:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 14:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 14:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:30	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 14:30	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 14:30	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		72 - 124		04/16/20 14:30	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 14:30	1
1,2-Dichloroethane-d4 (Surr)	100		75 - 126		04/16/20 14:30	1
Toluene-d8 (Surr)	102		75 - 120		04/16/20 14:30	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: DUP3-20-2

Lab Sample ID: 500-180440-19

Date Collected: 04/07/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 14:57	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:57	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 14:57	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 14:57	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 14:57	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/16/20 14:57	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 14:57	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 14:57	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 14:57	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 14:57	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 14:57	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 14:57	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 14:57	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 14:57	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 14:57	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 14:57	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 14:57	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 14:57	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:57	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:57	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 14:57	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 14:57	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 14:57	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 14:57	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 14:57	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 14:57	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 14:57	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 14:57	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 14:57	1
Methylene Chloride	1.8 J		5.0	1.6	ug/L			04/16/20 14:57	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 14:57	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 14:57	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 14:57	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:57	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 14:57	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 14:57	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 14:57	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 14:57	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 14:57	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 14:57	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 14:57	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 14:57	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: DUP3-20-2

Lab Sample ID: 500-180440-19

Date Collected: 04/07/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 14:57	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 14:57	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 14:57	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 14:57	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 14:57	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 14:57	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 14:57	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 14:57	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 14:57	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 14:57	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124		04/16/20 14:57	1
Dibromofluoromethane (Surr)	99		75 - 120		04/16/20 14:57	1
1,2-Dichloroethane-d4 (Surr)	89		75 - 126		04/16/20 14:57	1
Toluene-d8 (Surr)	94		75 - 120		04/16/20 14:57	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-03B-20-2

Lab Sample ID: 500-180440-20

Date Collected: 04/07/20 13:15

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 15:22	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 15:22	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 15:22	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 15:22	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 15:22	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/16/20 15:22	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 15:22	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 15:22	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 15:22	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 15:22	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 15:22	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 15:22	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 15:22	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 15:22	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 15:22	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 15:22	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 15:22	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 15:22	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 15:22	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 15:22	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 15:22	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 15:22	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 15:22	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 15:22	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 15:22	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 15:22	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 15:22	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 15:22	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 15:22	1
Methylene Chloride	1.9 J		5.0	1.6	ug/L			04/16/20 15:22	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 15:22	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 15:22	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 15:22	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 15:22	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 15:22	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 15:22	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 15:22	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 15:22	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 15:22	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 15:22	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 15:22	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 15:22	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-03B-20-2

Lab Sample ID: 500-180440-20

Date Collected: 04/07/20 13:15

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 15:22	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 15:22	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 15:22	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 15:22	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 15:22	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 15:22	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 15:22	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 15:22	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 15:22	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 15:22	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		72 - 124		04/16/20 15:22	1
Dibromofluoromethane (Surr)	96		75 - 120		04/16/20 15:22	1
1,2-Dichloroethane-d4 (Surr)	88		75 - 126		04/16/20 15:22	1
Toluene-d8 (Surr)	96		75 - 120		04/16/20 15:22	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-40-20-2

Lab Sample ID: 500-180440-21

Date Collected: 04/08/20 08:45

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 15:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 15:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 15:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 15:48	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 15:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/16/20 15:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 15:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 15:48	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 15:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 15:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 15:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 15:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 15:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 15:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 15:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 15:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 15:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 15:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 15:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 15:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 15:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 15:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 15:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 15:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 15:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 15:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 15:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 15:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 15:48	1
Methylene Chloride	1.9 J		5.0	1.6	ug/L			04/16/20 15:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 15:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 15:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 15:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 15:48	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 15:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 15:48	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 15:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 15:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 15:48	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 15:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 15:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 15:48	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-40-20-2

Lab Sample ID: 500-180440-21

Date Collected: 04/08/20 08:45

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 15:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 15:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 15:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 15:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 15:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 15:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 15:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 15:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 15:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 15:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		72 - 124		04/16/20 15:48	1
Dibromofluoromethane (Surr)	96		75 - 120		04/16/20 15:48	1
1,2-Dichloroethane-d4 (Surr)	87		75 - 126		04/16/20 15:48	1
Toluene-d8 (Surr)	97		75 - 120		04/16/20 15:48	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-16A-20-2

Lab Sample ID: 500-180440-22

Date Collected: 04/08/20 09:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 16:13	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 16:13	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 16:13	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 16:13	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 16:13	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/16/20 16:13	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 16:13	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 16:13	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 16:13	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 16:13	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 16:13	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 16:13	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 16:13	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 16:13	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 16:13	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 16:13	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 16:13	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 16:13	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 16:13	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 16:13	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 16:13	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 16:13	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 16:13	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 16:13	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 16:13	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 16:13	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 16:13	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 16:13	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 16:13	1
Methylene Chloride	1.8 J		5.0	1.6	ug/L			04/16/20 16:13	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 16:13	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 16:13	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 16:13	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 16:13	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 16:13	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 16:13	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 16:13	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 16:13	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 16:13	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 16:13	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 16:13	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 16:13	1

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-16A-20-2

Lab Sample ID: 500-180440-22

Date Collected: 04/08/20 09:00

Matrix: Water

Date Received: 04/09/20 09:40

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			04/16/20 16:13	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 16:13	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 16:13	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 16:13	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 16:13	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 16:13	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 16:13	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 16:13	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 16:13	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 16:13	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		72 - 124		04/16/20 16:13	1
Dibromofluoromethane (Surr)	97		75 - 120		04/16/20 16:13	1
1,2-Dichloroethane-d4 (Surr)	88		75 - 126		04/16/20 16:13	1
Toluene-d8 (Surr)	94		75 - 120		04/16/20 16:13	1

Definitions/Glossary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

QC Association Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

GC/MS VOA

Analysis Batch: 538300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180440-1	W-01A-20-2	Total/NA	Water	8260B	
500-180440-2	W-07-20-2	Total/NA	Water	8260B	
500-180440-3	W-08R-20-2	Total/NA	Water	8260B	
500-180440-4	W-49-20-2	Total/NA	Water	8260B	
500-180440-5	W-50-20-2	Total/NA	Water	8260B	
500-180440-6	RC-1-20-2	Total/NA	Water	8260B	
500-180440-7	RC-2-20-2	Total/NA	Water	8260B	
500-180440-8	RC-3-20-2	Total/NA	Water	8260B	
500-180440-8 - DL	RC-3-20-2	Total/NA	Water	8260B	
500-180440-9	TB1-20-2	Total/NA	Water	8260B	
500-180440-10	W-20-20-2	Total/NA	Water	8260B	
500-180440-11	W-23-20-2	Total/NA	Water	8260B	
500-180440-12	DUP2-20-2	Total/NA	Water	8260B	
500-180440-13	W-04A-20-2	Total/NA	Water	8260B	
500-180440-14	W-51-20-2	Total/NA	Water	8260B	
MB 500-538300/6	Method Blank	Total/NA	Water	8260B	
LCS 500-538300/7	Lab Control Sample	Total/NA	Water	8260B	
LCSD 500-538300/4	Lab Control Sample Dup	Total/NA	Water	8260B	
500-180440-1 MS	W-01A-20-2	Total/NA	Water	8260B	
500-180440-1 MSD	W-01A-20-2	Total/NA	Water	8260B	

Analysis Batch: 538348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180440-19	DUP3-20-2	Total/NA	Water	8260B	
500-180440-20	W-03B-20-2	Total/NA	Water	8260B	
500-180440-21	W-40-20-2	Total/NA	Water	8260B	
500-180440-22	W-16A-20-2	Total/NA	Water	8260B	
MB 500-538348/7	Method Blank	Total/NA	Water	8260B	
LCS 500-538348/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 538445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-180440-15	W-52-20-2	Total/NA	Water	8260B	
500-180440-16	W-22-20-2	Total/NA	Water	8260B	
500-180440-17	W-27-20-2	Total/NA	Water	8260B	
500-180440-18	W-03A-20-2	Total/NA	Water	8260B	
MB 500-538445/6	Method Blank	Total/NA	Water	8260B	
LCS 500-538445/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (72-124)	DBFM (75-120)	DCA (75-126)	TOL (75-120)
500-180440-1	W-01A-20-2	113	101	87	98
500-180440-1 MS	W-01A-20-2	88	102	85	98
500-180440-1 MSD	W-01A-20-2	86	102	83	98
500-180440-2	W-07-20-2	112	101	89	97
500-180440-3	W-08R-20-2	111	101	90	98
500-180440-4	W-49-20-2	113	101	91	98
500-180440-5	W-50-20-2	113	101	91	96
500-180440-6	RC-1-20-2	113	99	89	98
500-180440-7	RC-2-20-2	110	101	89	96
500-180440-8	RC-3-20-2	96	98	88	99
500-180440-8 - DL	RC-3-20-2	109	99	90	97
500-180440-9	TB1-20-2	112	101	89	97
500-180440-10	W-20-20-2	112	98	88	99
500-180440-11	W-23-20-2	114	100	90	97
500-180440-12	DUP2-20-2	113	101	89	97
500-180440-13	W-04A-20-2	112	100	88	99
500-180440-14	W-51-20-2	114	99	88	98
500-180440-15	W-52-20-2	88	97	95	106
500-180440-16	W-22-20-2	89	102	100	103
500-180440-17	W-27-20-2	88	97	97	105
500-180440-18	W-03A-20-2	90	101	100	102
500-180440-19	DUP3-20-2	106	99	89	94
500-180440-20	W-03B-20-2	104	96	88	96
500-180440-21	W-40-20-2	105	96	87	97
500-180440-22	W-16A-20-2	106	97	88	94
LCS 500-538300/7	Lab Control Sample	85	99	82	104
LCS 500-538348/5	Lab Control Sample	86	101	83	99
LCS 500-538445/4	Lab Control Sample	90	104	102	101
LCSD 500-538300/4	Lab Control Sample Dup	84	105	85	102
MB 500-538300/6	Method Blank	115	104	93	98
MB 500-538348/7	Method Blank	113	101	91	97
MB 500-538445/6	Method Blank	91	105	101	102

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 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: MB 500-538300/6
Matrix: Water
Analysis Batch: 538300

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			04/16/20 00:02	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 00:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 00:02	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 00:02	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/16/20 00:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 00:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 00:02	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 00:02	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 00:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 00:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 00:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 00:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 00:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 00:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 00:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 00:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 00:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:02	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 00:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 00:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 00:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 00:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 00:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 00:02	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 00:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 00:02	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 00:02	1
Methylene Chloride	1.98	J	5.0	1.6	ug/L			04/16/20 00:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 00:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 00:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 00:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:02	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 00:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 00:02	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 00:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 00:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 00:02	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 00:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 00:02	1

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QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: MB 500-538300/6
Matrix: Water
Analysis Batch: 538300

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			04/16/20 00:02	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/16/20 00:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 00:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 00:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 00:02	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 00:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 00:02	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 00:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 00:02	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 00:02	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 00:02	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 00:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		72 - 124		04/16/20 00:02	1
Dibromofluoromethane (Surr)	104		75 - 120		04/16/20 00:02	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 126		04/16/20 00:02	1
Toluene-d8 (Surr)	98		75 - 120		04/16/20 00:02	1

Lab Sample ID: LCS 500-538300/7
Matrix: Water
Analysis Batch: 538300

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	43.8		ug/L		88	70 - 120
Bromobenzene	50.0	41.1		ug/L		82	70 - 122
Bromochloromethane	50.0	46.3		ug/L		93	65 - 122
Bromodichloromethane	50.0	41.5		ug/L		83	69 - 120
Bromoform	50.0	40.8		ug/L		82	56 - 132
Bromomethane	50.0	72.8		ug/L		146	40 - 152
Carbon tetrachloride	50.0	47.1		ug/L		94	59 - 133
Chlorobenzene	50.0	47.2		ug/L		94	70 - 120
Chloroethane	50.0	64.9		ug/L		130	48 - 136
Chloroform	50.0	44.5		ug/L		89	70 - 120
Chloromethane	50.0	44.4		ug/L		89	56 - 152
2-Chlorotoluene	50.0	42.7		ug/L		85	70 - 125
4-Chlorotoluene	50.0	42.6		ug/L		85	68 - 124
cis-1,2-Dichloroethene	50.0	46.5		ug/L		93	70 - 125
cis-1,3-Dichloropropene	50.0	42.5		ug/L		85	64 - 127
Dibromochloromethane	50.0	43.3		ug/L		87	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	31.8		ug/L		64	56 - 123
1,2-Dibromoethane	50.0	42.9		ug/L		86	70 - 125
Dibromomethane	50.0	43.9		ug/L		88	70 - 120
1,2-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 125
1,3-Dichlorobenzene	50.0	46.3		ug/L		93	70 - 125
1,4-Dichlorobenzene	50.0	45.7		ug/L		91	70 - 120
Dichlorodifluoromethane	50.0	38.2		ug/L		76	40 - 159
1,1-Dichloroethane	50.0	43.5		ug/L		87	70 - 125

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QC Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: LCS 500-538300/7
Matrix: Water
Analysis Batch: 538300

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	38.4		ug/L		77	68 - 127
1,1-Dichloroethene	50.0	39.5		ug/L		79	67 - 122
1,2-Dichloropropane	50.0	41.6		ug/L		83	67 - 130
1,3-Dichloropropane	50.0	41.5		ug/L		83	62 - 136
2,2-Dichloropropane	50.0	49.0		ug/L		98	58 - 139
1,1-Dichloropropene	50.0	46.1		ug/L		92	70 - 121
Ethylbenzene	50.0	50.6		ug/L		101	70 - 123
Hexachlorobutadiene	50.0	48.1		ug/L		96	51 - 150
Isopropylbenzene	50.0	45.9		ug/L		92	70 - 126
Methylene Chloride	50.0	45.3		ug/L		91	69 - 125
Methyl tert-butyl ether	50.0	37.6		ug/L		75	55 - 123
Naphthalene	50.0	37.2		ug/L		74	53 - 144
n-Butylbenzene	50.0	50.1		ug/L		100	68 - 125
N-Propylbenzene	50.0	44.9		ug/L		90	69 - 127
p-Isopropyltoluene	50.0	49.1		ug/L		98	70 - 125
sec-Butylbenzene	50.0	49.0		ug/L		98	70 - 123
Styrene	50.0	45.4		ug/L		91	70 - 120
tert-Butylbenzene	50.0	47.9		ug/L		96	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.3		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	39.5		ug/L		79	62 - 140
Tetrachloroethene	50.0	50.9		ug/L		102	70 - 128
Toluene	50.0	46.1		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	46.6		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	39.7		ug/L		79	62 - 128
1,2,3-Trichlorobenzene	50.0	39.8		ug/L		80	51 - 145
1,2,4-Trichlorobenzene	50.0	42.6		ug/L		85	57 - 137
1,1,1-Trichloroethane	50.0	50.2		ug/L		100	70 - 125
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	71 - 130
Trichloroethene	50.0	47.7		ug/L		95	70 - 125
Trichlorofluoromethane	50.0	44.9		ug/L		90	55 - 128
1,2,3-Trichloropropane	50.0	38.2		ug/L		76	50 - 133
1,2,4-Trimethylbenzene	50.0	45.6		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	46.8		ug/L		94	70 - 123
Vinyl chloride	50.0	47.3		ug/L		95	64 - 126
Xylenes, Total	100	94.6		ug/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
1,2-Dichloroethane-d4 (Surr)	82		75 - 126
Toluene-d8 (Surr)	104		75 - 120

Lab Sample ID: LCSD 500-538300/4
Matrix: Water
Analysis Batch: 538300

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	41.8		ug/L		84	70 - 120	5	20

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QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: LCSD 500-538300/4
Matrix: Water
Analysis Batch: 538300

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromobenzene	50.0	39.1		ug/L		78	70 - 122	5	20
Bromochloromethane	50.0	48.5		ug/L		97	65 - 122	5	20
Bromodichloromethane	50.0	39.9		ug/L		80	69 - 120	4	20
Bromoform	50.0	39.2		ug/L		78	56 - 132	4	20
Bromomethane	50.0	81.6	*	ug/L		163	40 - 152	11	20
Carbon tetrachloride	50.0	43.9		ug/L		88	59 - 133	7	20
Chlorobenzene	50.0	44.7		ug/L		89	70 - 120	5	20
Chloroethane	50.0	65.6		ug/L		131	48 - 136	1	20
Chloroform	50.0	43.8		ug/L		88	70 - 120	2	20
Chloromethane	50.0	48.8		ug/L		98	56 - 152	9	20
2-Chlorotoluene	50.0	39.9		ug/L		80	70 - 125	7	20
4-Chlorotoluene	50.0	39.2		ug/L		78	68 - 124	8	20
cis-1,2-Dichloroethene	50.0	46.1		ug/L		92	70 - 125	1	20
cis-1,3-Dichloropropene	50.0	39.7		ug/L		79	64 - 127	7	20
Dibromochloromethane	50.0	40.7		ug/L		81	68 - 125	6	20
1,2-Dibromo-3-Chloropropane	50.0	30.6		ug/L		61	56 - 123	4	20
1,2-Dibromoethane	50.0	42.0		ug/L		84	70 - 125	2	20
Dibromomethane	50.0	42.9		ug/L		86	70 - 120	2	20
1,2-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 125	2	20
1,3-Dichlorobenzene	50.0	43.6		ug/L		87	70 - 125	6	20
1,4-Dichlorobenzene	50.0	43.1		ug/L		86	70 - 120	6	20
Dichlorodifluoromethane	50.0	41.0		ug/L		82	40 - 159	7	20
1,1-Dichloroethane	50.0	42.4		ug/L		85	70 - 125	2	20
1,2-Dichloroethane	50.0	37.3		ug/L		75	68 - 127	3	20
1,1-Dichloroethene	50.0	39.0		ug/L		78	67 - 122	1	20
1,2-Dichloropropane	50.0	39.5		ug/L		79	67 - 130	5	20
1,3-Dichloropropane	50.0	39.5		ug/L		79	62 - 136	5	20
2,2-Dichloropropane	50.0	47.6		ug/L		95	58 - 139	3	20
1,1-Dichloropropene	50.0	43.1		ug/L		86	70 - 121	7	20
Ethylbenzene	50.0	45.8		ug/L		92	70 - 123	10	20
Hexachlorobutadiene	50.0	43.5		ug/L		87	51 - 150	10	20
Isopropylbenzene	50.0	42.6		ug/L		85	70 - 126	8	20
Methylene Chloride	50.0	45.4		ug/L		91	69 - 125	0	20
Methyl tert-butyl ether	50.0	38.3		ug/L		77	55 - 123	2	20
Naphthalene	50.0	36.8		ug/L		74	53 - 144	1	20
n-Butylbenzene	50.0	44.6		ug/L		89	68 - 125	12	20
N-Propylbenzene	50.0	40.4		ug/L		81	69 - 127	10	20
p-Isopropyltoluene	50.0	44.8		ug/L		90	70 - 125	9	20
sec-Butylbenzene	50.0	45.0		ug/L		90	70 - 123	9	20
Styrene	50.0	42.8		ug/L		86	70 - 120	6	20
tert-Butylbenzene	50.0	44.1		ug/L		88	70 - 121	8	20
1,1,1,2-Tetrachloroethane	50.0	48.9		ug/L		98	70 - 125	1	20
1,1,2,2-Tetrachloroethane	50.0	39.4		ug/L		79	62 - 140	0	20
Tetrachloroethene	50.0	46.0		ug/L		92	70 - 128	10	20
Toluene	50.0	42.3		ug/L		85	70 - 125	9	20
trans-1,2-Dichloroethene	50.0	46.5		ug/L		93	70 - 125	0	20
trans-1,3-Dichloropropene	50.0	36.7		ug/L		73	62 - 128	8	20
1,2,3-Trichlorobenzene	50.0	39.0		ug/L		78	51 - 145	2	20
1,2,4-Trichlorobenzene	50.0	40.2		ug/L		80	57 - 137	6	20

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QC Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: LCSD 500-538300/4
Matrix: Water
Analysis Batch: 538300

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	48.3		ug/L		97	70 - 125	4	20
1,1,2-Trichloroethane	50.0	40.7		ug/L		81	71 - 130	5	20
Trichloroethene	50.0	45.1		ug/L		90	70 - 125	6	20
Trichlorofluoromethane	50.0	47.8		ug/L		96	55 - 128	6	20
1,2,3-Trichloropropane	50.0	36.7		ug/L		73	50 - 133	4	20
1,2,4-Trimethylbenzene	50.0	42.5		ug/L		85	70 - 123	7	20
1,3,5-Trimethylbenzene	50.0	43.4		ug/L		87	70 - 123	7	20
Vinyl chloride	50.0	51.5		ug/L		103	64 - 126	8	20
Xylenes, Total	100	88.4		ug/L		88	70 - 125	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	84		72 - 124
Dibromofluoromethane (Surr)	105		75 - 120
1,2-Dichloroethane-d4 (Surr)	85		75 - 126
Toluene-d8 (Surr)	102		75 - 120

Lab Sample ID: 500-180440-1 MS
Matrix: Water
Analysis Batch: 538300

Client Sample ID: W-01A-20-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.15		50.0	48.4		ug/L		97	70 - 120
Bromobenzene	<0.36		50.0	48.3		ug/L		97	70 - 122
Bromochloromethane	<0.43		50.0	56.4		ug/L		113	65 - 122
Bromodichloromethane	<0.37		50.0	45.7		ug/L		91	69 - 120
Bromoform	<0.48		50.0	43.4		ug/L		87	56 - 132
Bromomethane	<0.80	F1 *	50.0	95.5	F1	ug/L		191	40 - 152
Carbon tetrachloride	<0.38		50.0	53.4		ug/L		107	59 - 133
Chlorobenzene	<0.39		50.0	51.3		ug/L		103	70 - 120
Chloroethane	<0.51	F1	50.0	73.4	F1	ug/L		147	48 - 136
Chloroform	<0.37		50.0	50.3		ug/L		101	70 - 120
Chloromethane	<0.32		50.0	46.1		ug/L		92	56 - 152
2-Chlorotoluene	<0.31		50.0	47.1		ug/L		94	70 - 125
4-Chlorotoluene	<0.35		50.0	46.6		ug/L		93	68 - 124
cis-1,2-Dichloroethene	<0.41		50.0	53.6		ug/L		107	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	42.7		ug/L		85	64 - 127
Dibromochloromethane	<0.49		50.0	45.6		ug/L		91	68 - 125
1,2-Dibromo-3-Chloropropane	<2.0		50.0	32.0		ug/L		64	56 - 123
1,2-Dibromoethane	<0.39		50.0	46.4		ug/L		93	70 - 125
Dibromomethane	<0.27		50.0	49.5		ug/L		99	70 - 120
1,2-Dichlorobenzene	<0.33		50.0	50.7		ug/L		101	70 - 125
1,3-Dichlorobenzene	<0.40		50.0	50.7		ug/L		101	70 - 125
1,4-Dichlorobenzene	<0.36		50.0	50.1		ug/L		100	70 - 120
Dichlorodifluoromethane	<0.67		50.0	39.5		ug/L		79	40 - 159
1,1-Dichloroethane	<0.41		50.0	48.4		ug/L		97	70 - 125
1,2-Dichloroethane	<0.39		50.0	42.4		ug/L		85	68 - 127
1,1-Dichloroethene	<0.39		50.0	45.4		ug/L		91	67 - 122
1,2-Dichloropropane	<0.43		50.0	46.8		ug/L		94	67 - 130

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: 500-180440-1 MS

Matrix: Water

Analysis Batch: 538300

Client Sample ID: W-01A-20-2

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,3-Dichloropropane	<0.36		50.0	43.4		ug/L		87	62 - 136
2,2-Dichloropropane	<0.44		50.0	51.6		ug/L		103	58 - 139
1,1-Dichloropropene	<0.30		50.0	48.7		ug/L		97	70 - 121
Ethylbenzene	<0.18		50.0	53.5		ug/L		107	70 - 123
Hexachlorobutadiene	<0.45		50.0	49.6		ug/L		99	51 - 150
Isopropylbenzene	<0.39		50.0	50.7		ug/L		101	70 - 126
Methylene Chloride	<1.6		50.0	50.6		ug/L		101	69 - 125
Methyl tert-butyl ether	<0.39		50.0	43.1		ug/L		86	55 - 123
Naphthalene	<0.34		50.0	39.7		ug/L		79	53 - 144
n-Butylbenzene	<0.39		50.0	51.1		ug/L		102	68 - 125
N-Propylbenzene	<0.41		50.0	48.5		ug/L		97	69 - 127
p-Isopropyltoluene	<0.36		50.0	52.3		ug/L		105	70 - 125
sec-Butylbenzene	<0.40		50.0	52.3		ug/L		105	70 - 123
Styrene	<0.39		50.0	49.8		ug/L		100	70 - 120
tert-Butylbenzene	<0.40		50.0	51.7		ug/L		103	70 - 121
1,1,1,2-Tetrachloroethane	<0.46		50.0	53.2		ug/L		106	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	44.6		ug/L		89	62 - 140
Tetrachloroethene	<0.37		50.0	52.2		ug/L		104	70 - 128
Toluene	<0.15		50.0	47.5		ug/L		95	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	53.3		ug/L		107	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	40.2		ug/L		80	62 - 128
1,2,3-Trichlorobenzene	<0.46		50.0	41.6		ug/L		83	51 - 145
1,2,4-Trichlorobenzene	<0.34		50.0	43.4		ug/L		87	57 - 137
1,1,1-Trichloroethane	<0.38		50.0	57.8		ug/L		116	70 - 125
1,1,2-Trichloroethane	<0.35		50.0	44.8		ug/L		90	71 - 130
Trichloroethene	<0.16		50.0	52.2		ug/L		104	70 - 125
Trichlorofluoromethane	<0.43		50.0	48.7		ug/L		97	55 - 128
1,2,3-Trichloropropane	<0.41		50.0	43.1		ug/L		86	50 - 133
1,2,4-Trimethylbenzene	<0.36		50.0	49.9		ug/L		100	70 - 123
1,3,5-Trimethylbenzene	<0.25		50.0	51.2		ug/L		102	70 - 123
Vinyl chloride	<0.20		50.0	51.6		ug/L		103	64 - 126
Xylenes, Total	<0.22		100	99.2		ug/L		99	70 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	88		72 - 124
Dibromofluoromethane (Surr)	102		75 - 120
1,2-Dichloroethane-d4 (Surr)	85		75 - 126
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: 500-180440-1 MSD

Matrix: Water

Analysis Batch: 538300

Client Sample ID: W-01A-20-2

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Benzene	<0.15		50.0	47.4		ug/L		95	70 - 120	2	20
Bromobenzene	<0.36		50.0	45.8		ug/L		92	70 - 122	5	20
Bromochloromethane	<0.43		50.0	54.1		ug/L		108	65 - 122	4	20
Bromodichloromethane	<0.37		50.0	43.4		ug/L		87	69 - 120	5	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: 500-180440-1 MSD

Client Sample ID: W-01A-20-2

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 538300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.48		50.0	42.2		ug/L		84	56 - 132	3	20
Bromomethane	<0.80	F1 *	50.0	93.6	F1	ug/L		187	40 - 152	2	20
Carbon tetrachloride	<0.38		50.0	51.5		ug/L		103	59 - 133	3	20
Chlorobenzene	<0.39		50.0	50.4		ug/L		101	70 - 120	2	20
Chloroethane	<0.51	F1	50.0	73.3	F1	ug/L		147	48 - 136	0	20
Chloroform	<0.37		50.0	49.4		ug/L		99	70 - 120	2	20
Chloromethane	<0.32		50.0	46.8		ug/L		94	56 - 152	2	20
2-Chlorotoluene	<0.31		50.0	44.9		ug/L		90	70 - 125	5	20
4-Chlorotoluene	<0.35		50.0	44.8		ug/L		90	68 - 124	4	20
cis-1,2-Dichloroethene	<0.41		50.0	52.1		ug/L		104	70 - 125	3	20
cis-1,3-Dichloropropene	<0.42		50.0	40.5		ug/L		81	64 - 127	5	20
Dibromochloromethane	<0.49		50.0	44.1		ug/L		88	68 - 125	3	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	30.0		ug/L		60	56 - 123	6	20
1,2-Dibromoethane	<0.39		50.0	46.1		ug/L		92	70 - 125	1	20
Dibromomethane	<0.27		50.0	48.3		ug/L		97	70 - 120	2	20
1,2-Dichlorobenzene	<0.33		50.0	50.0		ug/L		100	70 - 125	1	20
1,3-Dichlorobenzene	<0.40		50.0	49.9		ug/L		100	70 - 125	2	20
1,4-Dichlorobenzene	<0.36		50.0	49.3		ug/L		99	70 - 120	2	20
Dichlorodifluoromethane	<0.67		50.0	40.5		ug/L		81	40 - 159	3	20
1,1-Dichloroethane	<0.41		50.0	47.0		ug/L		94	70 - 125	3	20
1,2-Dichloroethane	<0.39		50.0	42.0		ug/L		84	68 - 127	1	20
1,1-Dichloroethene	<0.39		50.0	43.7		ug/L		87	67 - 122	4	20
1,2-Dichloropropane	<0.43		50.0	44.4		ug/L		89	67 - 130	5	20
1,3-Dichloropropane	<0.36		50.0	41.9		ug/L		84	62 - 136	3	20
2,2-Dichloropropane	<0.44		50.0	50.9		ug/L		102	58 - 139	2	20
1,1-Dichloropropene	<0.30		50.0	47.3		ug/L		95	70 - 121	3	20
Ethylbenzene	<0.18		50.0	52.2		ug/L		104	70 - 123	3	20
Hexachlorobutadiene	<0.45		50.0	50.3		ug/L		101	51 - 150	1	20
Isopropylbenzene	<0.39		50.0	48.0		ug/L		96	70 - 126	6	20
Methylene Chloride	<1.6		50.0	48.6		ug/L		97	69 - 125	4	20
Methyl tert-butyl ether	<0.39		50.0	42.5		ug/L		85	55 - 123	2	20
Naphthalene	<0.34		50.0	40.3		ug/L		81	53 - 144	1	20
n-Butylbenzene	<0.39		50.0	49.7		ug/L		99	68 - 125	3	20
N-Propylbenzene	<0.41		50.0	46.0		ug/L		92	69 - 127	5	20
p-Isopropyltoluene	<0.36		50.0	50.8		ug/L		102	70 - 125	3	20
sec-Butylbenzene	<0.40		50.0	50.6		ug/L		101	70 - 123	3	20
Styrene	<0.39		50.0	49.0		ug/L		98	70 - 120	2	20
tert-Butylbenzene	<0.40		50.0	49.5		ug/L		99	70 - 121	4	20
1,1,1,2-Tetrachloroethane	<0.46		50.0	53.9		ug/L		108	70 - 125	1	20
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	41.0		ug/L		82	62 - 140	8	20
Tetrachloroethene	<0.37		50.0	50.9		ug/L		102	70 - 128	3	20
Toluene	<0.15		50.0	46.0		ug/L		92	70 - 125	3	20
trans-1,2-Dichloroethene	<0.35		50.0	53.5		ug/L		107	70 - 125	0	20
trans-1,3-Dichloropropene	<0.36		50.0	38.3		ug/L		77	62 - 128	5	20
1,2,3-Trichlorobenzene	<0.46		50.0	42.6		ug/L		85	51 - 145	2	20
1,2,4-Trichlorobenzene	<0.34		50.0	44.7		ug/L		89	57 - 137	3	20
1,1,1-Trichloroethane	<0.38		50.0	55.3		ug/L		111	70 - 125	4	20
1,1,2-Trichloroethane	<0.35		50.0	42.5		ug/L		85	71 - 130	5	20
Trichloroethene	<0.16		50.0	51.7		ug/L		103	70 - 125	1	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: 500-180440-1 MSD

Client Sample ID: W-01A-20-2

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 538300

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Trichlorofluoromethane	<0.43		50.0	48.3		ug/L		97	55 - 128	1	20
1,2,3-Trichloropropane	<0.41		50.0	41.0		ug/L		82	50 - 133	5	20
1,2,4-Trimethylbenzene	<0.36		50.0	47.8		ug/L		96	70 - 123	4	20
1,3,5-Trimethylbenzene	<0.25		50.0	49.0		ug/L		98	70 - 123	4	20
Vinyl chloride	<0.20		50.0	51.3		ug/L		103	64 - 126	1	20
Xylenes, Total	<0.22		100	98.8		ug/L		99	70 - 125	0	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	86		72 - 124								
Dibromofluoromethane (Surr)	102		75 - 120								
1,2-Dichloroethane-d4 (Surr)	83		75 - 126								
Toluene-d8 (Surr)	98		75 - 120								

Lab Sample ID: MB 500-538348/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 538348

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.15		0.50	0.15	ug/L			04/16/20 12:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 12:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 12:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 12:01	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 12:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/16/20 12:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 12:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 12:01	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 12:01	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 12:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 12:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 12:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 12:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 12:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 12:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 12:01	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 12:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 12:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 12:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 12:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 12:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 12:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 12:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 12:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 12:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 12:01	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: MB 500-538348/7
Matrix: Water
Analysis Batch: 538348

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 12:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 12:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 12:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 12:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			04/16/20 12:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 12:01	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 12:01	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 12:01	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 12:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 12:01	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 12:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 12:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 12:01	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 12:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 12:01	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 12:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/16/20 12:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 12:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 12:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 12:01	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 12:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 12:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 12:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 12:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 12:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 12:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 12:01	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	113		72 - 124		04/16/20 12:01	1
Dibromofluoromethane (Surr)	101		75 - 120		04/16/20 12:01	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 126		04/16/20 12:01	1
Toluene-d8 (Surr)	97		75 - 120		04/16/20 12:01	1

Lab Sample ID: LCS 500-538348/5
Matrix: Water
Analysis Batch: 538348

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	46.3		ug/L		93	70 - 120
Bromobenzene	50.0	44.5		ug/L		89	70 - 122
Bromochloromethane	50.0	53.2		ug/L		106	65 - 122
Bromodichloromethane	50.0	43.2		ug/L		86	69 - 120
Bromoform	50.0	43.5		ug/L		87	56 - 132
Bromomethane	50.0	60.7		ug/L		121	40 - 152

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: LCS 500-538348/5
Matrix: Water
Analysis Batch: 538348

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	52.4		ug/L		105	59 - 133
Chlorobenzene	50.0	48.6		ug/L		97	70 - 120
Chloroethane	50.0	48.8		ug/L		98	48 - 136
Chloroform	50.0	46.9		ug/L		94	70 - 120
Chloromethane	50.0	50.0		ug/L		100	56 - 152
2-Chlorotoluene	50.0	43.3		ug/L		87	70 - 125
4-Chlorotoluene	50.0	43.5		ug/L		87	68 - 124
cis-1,2-Dichloroethene	50.0	51.2		ug/L		102	70 - 125
cis-1,3-Dichloropropene	50.0	41.6		ug/L		83	64 - 127
Dibromochloromethane	50.0	44.8		ug/L		90	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	29.3		ug/L		59	56 - 123
1,2-Dibromoethane	50.0	44.8		ug/L		90	70 - 125
Dibromomethane	50.0	45.9		ug/L		92	70 - 120
1,2-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 125
1,3-Dichlorobenzene	50.0	47.4		ug/L		95	70 - 125
1,4-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 120
Dichlorodifluoromethane	50.0	44.9		ug/L		90	40 - 159
1,1-Dichloroethane	50.0	47.0		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	41.4		ug/L		83	68 - 127
1,1-Dichloroethene	50.0	50.3		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	43.5		ug/L		87	67 - 130
1,3-Dichloropropane	50.0	41.8		ug/L		84	62 - 136
2,2-Dichloropropane	50.0	51.9		ug/L		104	58 - 139
1,1-Dichloropropene	50.0	49.0		ug/L		98	70 - 121
Ethylbenzene	50.0	51.0		ug/L		102	70 - 123
Hexachlorobutadiene	50.0	46.5		ug/L		93	51 - 150
Isopropylbenzene	50.0	46.5		ug/L		93	70 - 126
Methylene Chloride	50.0	50.2		ug/L		100	69 - 125
Methyl tert-butyl ether	50.0	40.4		ug/L		81	55 - 123
Naphthalene	50.0	35.9		ug/L		72	53 - 144
n-Butylbenzene	50.0	48.2		ug/L		96	68 - 125
N-Propylbenzene	50.0	45.1		ug/L		90	69 - 127
p-Isopropyltoluene	50.0	48.9		ug/L		98	70 - 125
sec-Butylbenzene	50.0	48.3		ug/L		97	70 - 123
Styrene	50.0	47.6		ug/L		95	70 - 120
tert-Butylbenzene	50.0	47.5		ug/L		95	70 - 121
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/L		103	70 - 125
1,1,2,2-Tetrachloroethane	50.0	40.9		ug/L		82	62 - 140
Tetrachloroethene	50.0	51.6		ug/L		103	70 - 128
Toluene	50.0	45.9		ug/L		92	70 - 125
trans-1,2-Dichloroethene	50.0	53.2		ug/L		106	70 - 125
trans-1,3-Dichloropropene	50.0	39.6		ug/L		79	62 - 128
1,2,3-Trichlorobenzene	50.0	39.2		ug/L		78	51 - 145
1,2,4-Trichlorobenzene	50.0	41.8		ug/L		84	57 - 137
1,1,1-Trichloroethane	50.0	55.1		ug/L		110	70 - 125
1,1,2-Trichloroethane	50.0	42.6		ug/L		85	71 - 130
Trichloroethene	50.0	51.8		ug/L		104	70 - 125
Trichlorofluoromethane	50.0	48.4		ug/L		97	55 - 128
1,2,3-Trichloropropane	50.0	38.5		ug/L		77	50 - 133

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: LCS 500-538348/5
Matrix: Water
Analysis Batch: 538348

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	45.9		ug/L		92	70 - 123
1,3,5-Trimethylbenzene	50.0	46.9		ug/L		94	70 - 123
Vinyl chloride	50.0	55.9		ug/L		112	64 - 126
Xylenes, Total	100	95.4		ug/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
1,2-Dichloroethane-d4 (Surr)	83		75 - 126
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: MB 500-538445/6
Matrix: Water
Analysis Batch: 538445

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			04/16/20 12:54	1
Bromobenzene	<0.36		1.0	0.36	ug/L			04/16/20 12:54	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			04/16/20 12:54	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			04/16/20 12:54	1
Bromoform	<0.48		1.0	0.48	ug/L			04/16/20 12:54	1
Bromomethane	<0.80		3.0	0.80	ug/L			04/16/20 12:54	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			04/16/20 12:54	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
Chloroethane	<0.51		1.0	0.51	ug/L			04/16/20 12:54	1
Chloroform	<0.37		2.0	0.37	ug/L			04/16/20 12:54	1
Chloromethane	<0.32		1.0	0.32	ug/L			04/16/20 12:54	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			04/16/20 12:54	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			04/16/20 12:54	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			04/16/20 12:54	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			04/16/20 12:54	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			04/16/20 12:54	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			04/16/20 12:54	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
Dibromomethane	<0.27		1.0	0.27	ug/L			04/16/20 12:54	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			04/16/20 12:54	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			04/16/20 12:54	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			04/16/20 12:54	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			04/16/20 12:54	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			04/16/20 12:54	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			04/16/20 12:54	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			04/16/20 12:54	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			04/16/20 12:54	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			04/16/20 12:54	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			04/16/20 12:54	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			04/16/20 12:54	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: MB 500-538445/6
Matrix: Water
Analysis Batch: 538445

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Isopropylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			04/16/20 12:54	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			04/16/20 12:54	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
Naphthalene	0.528	J	1.0	0.34	ug/L			04/16/20 12:54	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			04/16/20 12:54	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			04/16/20 12:54	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 12:54	1
Styrene	<0.39		1.0	0.39	ug/L			04/16/20 12:54	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			04/16/20 12:54	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			04/16/20 12:54	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			04/16/20 12:54	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			04/16/20 12:54	1
Toluene	<0.15		0.50	0.15	ug/L			04/16/20 12:54	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			04/16/20 12:54	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			04/16/20 12:54	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			04/16/20 12:54	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			04/16/20 12:54	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			04/16/20 12:54	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			04/16/20 12:54	1
Trichloroethene	<0.16		0.50	0.16	ug/L			04/16/20 12:54	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			04/16/20 12:54	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			04/16/20 12:54	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			04/16/20 12:54	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			04/16/20 12:54	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			04/16/20 12:54	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			04/16/20 12:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	91		72 - 124		04/16/20 12:54	1
Dibromofluoromethane (Surr)	105		75 - 120		04/16/20 12:54	1
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		04/16/20 12:54	1
Toluene-d8 (Surr)	102		75 - 120		04/16/20 12:54	1

Lab Sample ID: LCS 500-538445/4
Matrix: Water
Analysis Batch: 538445

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	50.4		ug/L		101	70 - 120
Bromobenzene	50.0	45.4		ug/L		91	70 - 122
Bromochloromethane	50.0	49.0		ug/L		98	65 - 122
Bromodichloromethane	50.0	47.6		ug/L		95	69 - 120
Bromoform	50.0	50.0		ug/L		100	56 - 132
Bromomethane	50.0	88.5	*	ug/L		177	40 - 152
Carbon tetrachloride	50.0	47.8		ug/L		96	59 - 133
Chlorobenzene	50.0	48.9		ug/L		98	70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: LCS 500-538445/4

Matrix: Water

Analysis Batch: 538445

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	50.0	66.5		ug/L		133	48 - 136
Chloroform	50.0	47.8		ug/L		96	70 - 120
Chloromethane	50.0	35.2		ug/L		70	56 - 152
2-Chlorotoluene	50.0	45.5		ug/L		91	70 - 125
4-Chlorotoluene	50.0	45.0		ug/L		90	68 - 124
cis-1,2-Dichloroethene	50.0	50.8		ug/L		102	70 - 125
cis-1,3-Dichloropropene	50.0	47.8		ug/L		96	64 - 127
Dibromochloromethane	50.0	48.0		ug/L		96	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	42.3		ug/L		85	56 - 123
1,2-Dibromoethane	50.0	50.0		ug/L		100	70 - 125
Dibromomethane	50.0	51.4		ug/L		103	70 - 120
1,2-Dichlorobenzene	50.0	47.4		ug/L		95	70 - 125
1,3-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 125
1,4-Dichlorobenzene	50.0	46.2		ug/L		92	70 - 120
Dichlorodifluoromethane	50.0	45.4		ug/L		91	40 - 159
1,1-Dichloroethane	50.0	45.2		ug/L		90	70 - 125
1,2-Dichloroethane	50.0	47.6		ug/L		95	68 - 127
1,1-Dichloroethene	50.0	50.7		ug/L		101	67 - 122
1,2-Dichloropropane	50.0	43.8		ug/L		88	67 - 130
1,3-Dichloropropane	50.0	48.5		ug/L		97	62 - 136
2,2-Dichloropropane	50.0	49.5		ug/L		99	58 - 139
1,1-Dichloropropene	50.0	48.1		ug/L		96	70 - 121
Ethylbenzene	50.0	50.0		ug/L		100	70 - 123
Hexachlorobutadiene	50.0	42.9		ug/L		86	51 - 150
Isopropylbenzene	50.0	45.5		ug/L		91	70 - 126
Methylene Chloride	50.0	55.2		ug/L		110	69 - 125
Methyl tert-butyl ether	50.0	51.0		ug/L		102	55 - 123
Naphthalene	50.0	45.5		ug/L		91	53 - 144
n-Butylbenzene	50.0	47.8		ug/L		96	68 - 125
N-Propylbenzene	50.0	46.9		ug/L		94	69 - 127
p-Isopropyltoluene	50.0	44.9		ug/L		90	70 - 125
sec-Butylbenzene	50.0	46.8		ug/L		94	70 - 123
Styrene	50.0	48.3		ug/L		97	70 - 120
tert-Butylbenzene	50.0	44.7		ug/L		89	70 - 121
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/L		97	70 - 125
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/L		95	62 - 140
Tetrachloroethene	50.0	50.6		ug/L		101	70 - 128
Toluene	50.0	48.9		ug/L		98	70 - 125
trans-1,2-Dichloroethene	50.0	51.9		ug/L		104	70 - 125
trans-1,3-Dichloropropene	50.0	47.3		ug/L		95	62 - 128
1,2,3-Trichlorobenzene	50.0	46.0		ug/L		92	51 - 145
1,2,4-Trichlorobenzene	50.0	45.6		ug/L		91	57 - 137
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	70 - 125
1,1,2-Trichloroethane	50.0	49.2		ug/L		98	71 - 130
Trichloroethene	50.0	48.8		ug/L		98	70 - 125
Trichlorofluoromethane	50.0	51.7		ug/L		103	55 - 128
1,2,3-Trichloropropane	50.0	45.5		ug/L		91	50 - 133
1,2,4-Trimethylbenzene	50.0	45.4		ug/L		91	70 - 123
1,3,5-Trimethylbenzene	50.0	45.9		ug/L		92	70 - 123

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QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

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

Lab Sample ID: LCS 500-538445/4

Matrix: Water

Analysis Batch: 538445

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	50.0	44.2		ug/L		88	64 - 126
Xylenes, Total	100	96.3		ug/L		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		72 - 124
Dibromofluoromethane (Surr)	104		75 - 120
1,2-Dichloroethane-d4 (Surr)	102		75 - 126
Toluene-d8 (Surr)	101		75 - 120



Lab Chronicle

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-01A-20-2

Lab Sample ID: 500-180440-1

Date Collected: 04/06/20 10:48

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 00:52	JDD	TAL CHI

Client Sample ID: W-07-20-2

Lab Sample ID: 500-180440-2

Date Collected: 04/06/20 11:08

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 01:18	JDD	TAL CHI

Client Sample ID: W-08R-20-2

Lab Sample ID: 500-180440-3

Date Collected: 04/06/20 11:16

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 01:43	JDD	TAL CHI

Client Sample ID: W-49-20-2

Lab Sample ID: 500-180440-4

Date Collected: 04/06/20 11:55

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 02:08	JDD	TAL CHI

Client Sample ID: W-50-20-2

Lab Sample ID: 500-180440-5

Date Collected: 04/06/20 12:20

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 02:33	JDD	TAL CHI

Client Sample ID: RC-1-20-2

Lab Sample ID: 500-180440-6

Date Collected: 04/06/20 12:45

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 02:59	JDD	TAL CHI

Client Sample ID: RC-2-20-2

Lab Sample ID: 500-180440-7

Date Collected: 04/06/20 13:00

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 03:24	JDD	TAL CHI

Lab Chronicle

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: RC-3-20-2

Lab Sample ID: 500-180440-8

Date Collected: 04/06/20 13:15

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	538300	04/16/20 05:54	JDD	TAL CHI
Total/NA	Analysis	8260B	DL	100	538300	04/16/20 06:19	JDD	TAL CHI

Client Sample ID: TB1-20-2

Lab Sample ID: 500-180440-9

Date Collected: 04/06/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 00:27	JDD	TAL CHI

Client Sample ID: W-20-20-2

Lab Sample ID: 500-180440-10

Date Collected: 04/07/20 08:30

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 03:49	JDD	TAL CHI

Client Sample ID: W-23-20-2

Lab Sample ID: 500-180440-11

Date Collected: 04/07/20 09:10

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 04:14	JDD	TAL CHI

Client Sample ID: DUP2-20-2

Lab Sample ID: 500-180440-12

Date Collected: 04/07/20 00:00

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 04:39	JDD	TAL CHI

Client Sample ID: W-04A-20-2

Lab Sample ID: 500-180440-13

Date Collected: 04/07/20 09:35

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 05:04	JDD	TAL CHI

Client Sample ID: W-51-20-2

Lab Sample ID: 500-180440-14

Date Collected: 04/07/20 10:10

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538300	04/16/20 05:29	JDD	TAL CHI

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Lab Chronicle

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-52-20-2

Date Collected: 04/07/20 10:35

Date Received: 04/09/20 09:40

Lab Sample ID: 500-180440-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538445	04/16/20 13:18	JDD	TAL CHI

Client Sample ID: W-22-20-2

Date Collected: 04/07/20 11:15

Date Received: 04/09/20 09:40

Lab Sample ID: 500-180440-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538445	04/16/20 13:42	JDD	TAL CHI

Client Sample ID: W-27-20-2

Date Collected: 04/07/20 11:50

Date Received: 04/09/20 09:40

Lab Sample ID: 500-180440-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538445	04/16/20 14:06	JDD	TAL CHI

Client Sample ID: W-03A-20-2

Date Collected: 04/07/20 12:45

Date Received: 04/09/20 09:40

Lab Sample ID: 500-180440-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538445	04/16/20 14:30	JDD	TAL CHI

Client Sample ID: DUP3-20-2

Date Collected: 04/07/20 00:00

Date Received: 04/09/20 09:40

Lab Sample ID: 500-180440-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538348	04/16/20 14:57	JDD	TAL CHI

Client Sample ID: W-03B-20-2

Date Collected: 04/07/20 13:15

Date Received: 04/09/20 09:40

Lab Sample ID: 500-180440-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538348	04/16/20 15:22	JDD	TAL CHI

Client Sample ID: W-40-20-2

Date Collected: 04/08/20 08:45

Date Received: 04/09/20 09:40

Lab Sample ID: 500-180440-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538348	04/16/20 15:48	JDD	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Client Sample ID: W-16A-20-2

Lab Sample ID: 500-180440-22

Date Collected: 04/08/20 09:00

Matrix: Water

Date Received: 04/09/20 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	538348	04/16/20 16:13	JDD	TAL CHI

Laboratory References:

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

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Accreditation/Certification Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-020-003

Job ID: 500-180440-1

Laboratory: Eurofins TestAmerica, Chicago

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-20

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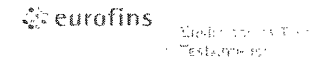
14

15

Eurofins TestAmerica, Chicago

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

Chain of Custody Record



Client Information		Sampler: Tim Petrick	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-80557-36932.2																																																																																																																				
Client Contact: Mr. Tim Petrick		Phone: 414 858 1210	E-Mail: sandie.fredrick@testamericainc.com		Page: 2 of 3																																																																																																																				
Company: Endpoint Solutions Corp		Analysis Requested			Job #: 500-180440																																																																																																																				
Address: 6871 S. Lover's Lane		Due Date Requested:	Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 G - NaCSO3 F - MeOH R - Na2SO3 G - Amchlor S - H2SO4 H - Asorbic Acid T - TSP Dodecahydrate I - Ice J - Acetone K - DI Water V - MCAA L - EDTA W - pH 4-5 Z - other (specify)																																																																																																																						
City: Franklin		TAT Requested (days):																																																																																																																							
State, Zip: WI, 53132		PO #: Purchase Order not required																																																																																																																							
Phone: 414-427-1200(Tel)		WO #:																																																																																																																							
Email: tim@endpointcorporation.com		Project #: 50016218	Total Number of containers: Other:																																																																																																																						
Project Name: Arkema - Saukville 341-020-003		SSOW#:																																																																																																																							
Site:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> A Perform W/MSD (Yes or No) <input checked="" type="checkbox"/> A 8260B - VOC			Special Instructions/Note:																																																																																																																				
<table border="1"> <thead> <tr> <th>Sample Identification</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=waste/soil, B=tissue, A=air)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform W/MSD (Yes or No)</th> <th>8260B - VOC</th> <th>Total Number of containers</th> <th>Special Instructions/Note</th> </tr> </thead> <tbody> <tr> <td>12 Dup2-20-2</td> <td>4/7/2020</td> <td>—</td> <td>G</td> <td>Water</td> <td>X</td> <td>X</td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>13 W-04A-20-2</td> <td></td> <td>935</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>14 W-51-20-2</td> <td></td> <td>1010</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>15 W-52-20-2</td> <td></td> <td>1035</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16 W-22-20-2</td> <td></td> <td>1115</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>17 W-27-20-2</td> <td></td> <td>1150</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>18 W-03A-20-2</td> <td></td> <td>1245</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>19 Dup3-20-2</td> <td></td> <td>—</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>20 W-03B-20-2</td> <td></td> <td>1315</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>21 W-40-20-2</td> <td>4/8/2020</td> <td>845</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>22 W-16A-20-2</td> <td></td> <td>900</td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Sample Identification	Sample Date	Sample Time		Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, B=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform W/MSD (Yes or No)	8260B - VOC	Total Number of containers	Special Instructions/Note	12 Dup2-20-2	4/7/2020	—	G	Water	X	X		X		13 W-04A-20-2		935		Water						14 W-51-20-2		1010		Water						15 W-52-20-2		1035		Water						16 W-22-20-2		1115		Water						17 W-27-20-2		1150		Water						18 W-03A-20-2		1245		Water						19 Dup3-20-2		—		Water						20 W-03B-20-2		1315		Water						21 W-40-20-2	4/8/2020	845		Water						22 W-16A-20-2		900		Water				
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22 W-16A-20-2		900		Water																																																																																																																					
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																																																																																							
Deliverable Requested: I, II, III, IV, Other (specify) need WDR EDD, case narrative		Special Instructions/QC Requirements: Level III QA/QC																																																																																																																							
Empty Kit Relinquished by: Tim Petrick Date/Time: 4/8/2020 1015 Company: Endpoint		Method of Shipment:																																																																																																																							
Relinquished by: Tim Petrick Date/Time: 4-8-20 17:00 Company: TA		Received by: John Eng Date/Time: 4-8-20 10:15 Company: TA		Received by: Min Scott Date/Time: 4/9/20 0940 Company: TA/CHL																																																																																																																					
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Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																																																																																																																							



WDNR WELL IDENTIFIERS

Project Name Retia - Saukville
 WDNR Facility ID 246004330
 WDNR Monitoring ID 3082

Well Name	WDNR Code
W-1A	250
Field Blank	997
Trip Blank	999
W-3A	211
W-3B	251
W-4A	252
W-6A	253
W-7	212
W-8R	275
W-14B	255
W-16A	256
W-18A	257
W-19A	258
W-20	259
W-21A	213
W-22	214
W-23	215
W-24A	216
W-25	217
W-27	260
W-28	218
W-29	219
W-30	206
W-37	274
W-38	220
W-39	221
W-40	222
W-41	261
W-42	262
W-43	263
W-44	264
W-45	265
W-46	266
W-47	267
W-48	268
W-49	276
W-50	277
W-51	278
W-52	279
W-53	280
W-54	281
W-55	282
MMW-1	201
MMW-2	202
MMW-3	203
MMW-4	204
PW-08	205
RC-1	NA
RC-2	NA
RC-3	NA
POTW-1	NA
POTW-E	NA
POTW-S	NA

NA - Not Applicable, not included in EDD

ORIGIN ID:RRLA (262) 202-5955
SHIPPING
TESTAMERICA
4125 N 124TH ST

BROOKFIELD, WI 53005
UNITED STATES US

SHIP DATE: 08APR20
ACTWGT: 47.50 LB
CAD: 525155/CAFE3211

BILL RECIPIENT

TO **SAMPLE RECEIPT**
TESTAMERICA LABS
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 634-5200

REF:

DEPT:

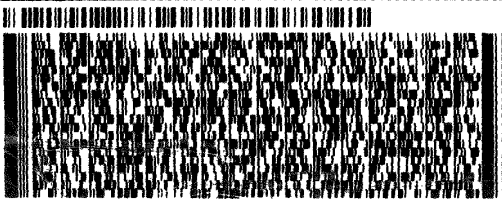
INVT:

PO:

PAK/104C



500-180440 Waybill



FedEx
Express



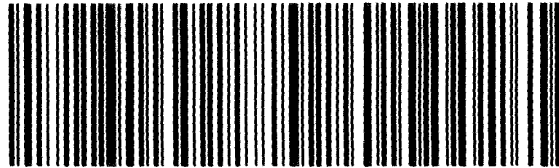
J18111808860704

TRK# 7125 4942 4212
0201

THU - 09 APR 10:30A
PRIORITY OVERNIGHT

79 JOTA

60484
IL-US **ORD**



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Login Sample Receipt Checklist

Client: Endpoint Solutions Corp

Job Number: 500-180440-1

Login Number: 180440

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	5.6
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



APPENDIX C

QUALITY ASSURANCE/QUALITY CONTROL

OVERALL SUMMARY OF DATA USABILITY

The content of the data package, including raw data, sample custody records, and field and laboratory QA/QC data were evaluated for consistency with USEPA 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 22 field investigative, one (1) trip blank and two (2) field duplicate samples between April 6 and 8, 2020. The samples were delivered via courier to Eurofins TestAmerica (Eurofins), Chicago Environmental Testing in University Park, Illinois Synergy Environmental Lab in Appleton, Wisconsin, in one (1) shipment on April 9, 2020.

The samples were assigned a data set identifier of 500-180440.

SW846 Method 8260B (VOCs):

<i>RC-1-20-2</i>	<i>RC-2-20-2</i>	<i>RC-3-20-2</i>	<i>W-01A-20-2</i>
<i>W-03A-20-2</i>	<i>DUP3-20-2</i>	<i>W-03B-20-2</i>	<i>W-04A-20-2</i>
<i>W-07-20-2</i>	<i>W-08R-20-2</i>	<i>W-16A-20-2</i>	<i>W-20-20-2</i>
<i>W-22-20-2</i>	<i>W-23-20-2</i>	<i>DUP2-20-2</i>	<i>W-27-20-2</i>
<i>W-40-20-2</i>	<i>W-49-20-2</i>	<i>W-50-20-2</i>	<i>W-51-20-2</i>
<i>W-52-20-2</i>	<i>TB1-20-2</i>		

Method blanks, matrix spike/matrix spike duplicate (MS/MSD), control spike and control spike duplicates, and surrogate spike data were generated to determine precision and accuracy of the analytical methods.

GC/MS ANALYSIS FOR VOLATILE COMPOUNDS (8260)

Twenty-two (22) sets of samples were analyzed at Eurofins, University Park, Illinois laboratory for the standard (USEPA Method 8260) VOC list. A summary of the QA/QC is as follows.

SAMPLE RECEIPT

All samples were received by the laboratory on ice.

HOLDING TIMES

The samples were analyzed on April 16, 2020. All method holding times were met for sample preparation and sample analysis.

CALIBRATION

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

METHOD BLANKS

Method blanks were analyzed to assess potential sample contamination resulting from laboratory procedures. A method blank (procedural blank) is carried through the same analytical steps (preparation and analysis) as the samples. All method acceptance criteria were met. The method blank analyses were below method detection limits for all target analytes.

TRIP BLANKS

One (1) trip blank, TB1-20-2, was provided for analysis. No VOC constituents were detected in this trip blank sample (500-180440-9).

FIELD DUPLICATE SAMPLES

Two (2) Field Duplicates were identified: **DUP2-20-2** and **DUP3-20-2**. A comparison of the results of the duplicate samples to the parent samples is as follows.

DUP1-20-2 / MW-4-20-2

Not used during this sampling event do to the COVID-19 pandemic access restrictions.

DUP2-20-2 / W-23-20-2

	Parent (W-23-20-2)	Duplicate (DUP2-20-2)
cis-1,2-Dichloroethene	0.87 µg/L "J"	0.84 µg/L "J"
Vinyl chloride	0.24 µg/L "J"	0.24 µg/L "J"
Benzene	0.17 µg/L "J"	0.17 µg/L "J"
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.		

DUP3-20-2 / W-03A-20-2

	Parent (W-03A-20-2)	Duplicate (DUP3-20-2)
Methylene chloride	2.1 µg/L "J"	1.8 µg/L "J"
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.		

Methylene chloride is a known lab contaminant. Methylene chloride has not been historically detected in the groundwater on the Saukville Facility.

DILUTIONS

The **RC-3-20-2** sample was diluted 10:1, except for ethylbenzene and toluene which were diluted 50:1 and total xylenes were diluted 100:1 due to high VOC concentrations.

SURROGATE SPIKES

Surrogates are system monitoring organic compounds that are similar to the analytes of interest in chemical behavior, but not normally found in environmental samples. Laboratory performance on individual samples was established by spiking field investigative samples, quality control samples, and laboratory blanks.

The recoveries of surrogates in all of the samples analyzed were within acceptance criteria.

TUNING

4-Bromofluorobenzene, dibromofluoromethane, 1,2-dichloroethane-d4 and toluene-d8 tune check analyses were performed throughout the analyses. The target ions and percent abundance for all tune checks were within USEPA established acceptance criteria. All field samples, quality assurance samples, and laboratory blanks were analyzed within the prescribed 12-hour tune window.

Endpoint Solutions

6871 South Lovers Lane
Franklin, Wisconsin 53132
Phone: 414-427-1200
Fax: 414-427-1259

www.endpointcorporation.com