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March 1, 2023

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2022 Final Remedy Status Report
DuPont Towanda Plant, Towanda, Pennsylvania

Dear Mr. Bilash:

Attached is an electronic copy of the referenced report being submitted on behalf of DuPont Specialty Products USA, LLC (DuPont). As detailed in this report, groundwater monitoring conducted at Towanda through March 2022 continues to show that native biological processes are naturally attenuating contaminants. DuPont monitors the groundwater at the facility under the approved Post-Remedial Care Plan (AECOM, 2018). Groundwater monitoring will be used to demonstrate that the natural attenuation process is continuing. Reports will be submitted documenting current groundwater quality at the site until the groundwater cleanup standards are achieved. Sampling will continue on a once every five quarters basis as modified per EPA approval in a letter dated October 15, 2015. The next sampling event will occur in the second quarter of 2023. An annual report summarizing the status of the monitoring program in 2023 will be submitted by March 31, 2024.

If you have any questions, please contact me at 302-530-7541 or Mike Sherrier (DuPont Corporate Remediation Group) at 302-598-9057.

Sincerely,

AECOM

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Enclosures/Attachments

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Patrick Brennan PADEP
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2022 Final Remedy Status Report

DuPont Towanda Site
Towanda, Pennsylvania

Submitted on behalf of:
DuPont Specialty Products USA, LLC

Submitted by:
AECOM
248 Chapman Road
Suite 101
Newark, DE 19702

Project Number: 60697111
Date: March 2023

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Executive Summary

This report presents an evaluation of groundwater data collected during 2022 groundwater monitoring activities at the DuPont Towanda site in Towanda, Pennsylvania.

Historical data from this sampling program were reviewed to assess the status of the final remedy, which is currently monitored under the Post-Remedial Care Plan (AECOM, 2018) and the Environmental Covenant (2011). The final remedy is monitored natural attenuation (MNA) with institutional controls. On March 4, 2019, U.S. Environmental Protection Agency (EPA) approved the expiration of Hazardous Waste Storage Treatment and Disposal Permit PAD 003 038 056 for the DuPont Towanda Facility. The Post-Remedial Care Plan replaced the expired permit as the guiding document for the continuation of post-remedial activity on-site.

The 2022 sampling event was completed on March 14-16, 2022. During the sampling event, groundwater samples were collected from all but one well, MW-17, which could not be sampled due to insufficient water volume.

The 2022 site-wide groundwater monitoring results continue to demonstrate that the distribution of organic compounds in groundwater has decreased significantly compared to historical data. Current analytical results continue to indicate that natural attenuation is degrading the chlorinated organics in groundwater at the site.

Ongoing monitoring will continue at the site due to constituent concentrations remaining above maximum contaminant levels (MCLs). As per the Post-Remedial Care Plan (AECOM, 2018), samples will be collected once every fifth quarter; therefore, the next scheduled sampling event will be completed in second quarter of 2023. The report summarizing 2023 data will be submitted by March 31, 2024.

1.0 Introduction

This report presents a summary of 2022 groundwater monitoring activities at the DuPont Towanda site in Towanda, Pennsylvania. An evaluation of the groundwater analytical results was completed to monitor the effectiveness of the final remedy at the site.

The remainder of this report is organized into the following sections:

- Section 2 summarizes the site history, site setting, previous investigations, and final remedy objectives and performance standards.
- Section 3 describes the groundwater monitoring system and provides sampling methodology.
- Section 4 provides a discussion on groundwater flow and data quality and presents the groundwater analytical data evaluation.
- Section 5 discusses conclusions and recommendations.
- Section 6 lists the references cited in this report.

2.0 Background

2.1 Site History

The DuPont Towanda site is located on Patterson Boulevard and New James Street in North Towanda Township, Bradford County, Pennsylvania (see Figure 1). The plant has been in operation since the early 1940s and consists of office, manufacturing, and maintenance buildings.

X-ray screen manufacturing operations began in the early 1940s, and the manufacturing of coated films and wet-processing solutions began in the 1960s. Television phosphors (black and white) were manufactured at the site from 1954 to 1958. Photosensitive polymer coatings were produced at the site from 1967 to 1974. The plant continued expanding manufacturing, adding an additional extrusion coating line in the early 1980s and converting to flammable solvent coating lines in the 1990s. The main product mix continued to serve the printed circuit and flexible circuit board manufacturers and the proofing and imaging businesses. In recent years, the site has continued to serve these businesses with next generation offerings while expanding into newer technology such as fuel cell components. A multi-functional coating facility was completed in 2007 and is producing coated materials for the flat panel display and photovoltaic solar panel markets.

In July 1990, the U.S. Environmental Protection Agency (EPA) issued a Resource Conservation and Recovery Act (RCRA) permit to DuPont for corrective action and waste minimization. Under this permit, four investigations of solid waste management units (SWMUs) were conducted. These investigations consisted of a verification investigation, a supplemental verification investigation, a RCRA facility investigation (RFI), and a supplemental RFI. An evaluation of intrinsic bioremediation report was submitted in July 1997. The final corrective measure for the site is monitored natural attenuation (MNA). On December 22, 2008, EPA accepted the proposed final corrective measure for the site and modified the corrective action permit accordingly.

On December 1, 2011, EPA approved the Environmental Covenant detailing activity and use limitations for the Towanda site. These limitations are as follows:

- Groundwater beneath the property shall not be used for potable purposes or any other use that could result in human exposure unless the use is required by the final remedy.
- Well drilling on the property is prohibited without prior EPA approval to prevent inadvertent exposure to the contaminated groundwater and adverse effects to the final remedy.

The document allows DuPont to request termination of the covenant after detections of site-related constituents in groundwater are below the MCLs for three consecutive years.

The EPA conducted field inspection of the Towanda site on September 27, 2018 as part of the Long-Term Stewardship (LTS) Assessment. The EPA conclusion of the site inspection determined that the remedy institutional controls have been fully implemented and are effective in eliminating or reducing exposure of all potential receptors to known contamination as presented in the EPA Assessment Report, dated September 27, 2018.

In a letter dated September 28, 2018, DuPont notified EPA that all permit conditions had been satisfied and requested that the permit be withdrawn as of October 31, 2018, or alternatively that it be allowed to expire without renewal on December 31, 2018. A Post-

Remedial Care Plan (AECOM, 2018) was included to summarize ongoing remedial expectations following withdrawal of the Permit. On March 4, 2019, EPA approved both the expiration of the Hazardous Waste Storage, Treatment, and Disposal Permit for the site without a renewal and the AECOM Post-Remedial Care Plan. The Post-Remedial Care Plan replaces the permit as the guiding document for the continuation of post-remedial activity on-site. The Post-Remedial Care Plan is consistent with the requirements from the previous Permit. Following withdrawal of the Permit, final remedial measures will continue at the site until EPA determines that groundwater cleanup standards have been met and maintained for three consecutive years for the site-related constituents.

2.2 Site Setting

The site is located within the Allegheny Mountain section of the Appalachian Plateau Province, which is characterized by open folds of rock strata modified by glaciation. The topography is characterized by flat to rolling upland areas with deeply incised valleys.

The Appalachian Plateau Province of the Appalachian Highlands Physiographic Province is generally described as a plateau dissected by pre-glacial and post-glacial streams. It is underlain primarily by interbedded sandstone and shale of Late Devonian, Mississippian, and Pennsylvanian age (Taylor, 1984).

Regionally, the generalized stratigraphic sequence consists of surficial Pleistocene glacial deposits resting unconformably on the Upper Devonian Lock Haven Formation. The Lock Haven Formation, in turn, lies above the claystones, limestones, and shales of the Hamilton Group.

Primary groundwater discharge areas in the vicinity of the site include Sugar Creek to the northwest, the Susquehanna River to the northeast, and local industrial and public production wells located more than a ½ mile from the site.

2.3 Previous Site Investigations

In August 1994, DuPont Environmental Remediation Services (DERS) submitted a supplemental RFI report to the EPA. Engineering-Science completed the supplemental RFI under subcontract to DERS. Based on a meeting held with the EPA on July 27, 1994, the supplemental RFI completed the investigation requirements of the corrective action permit, and DuPont implemented interim remedial measures (IRMs) that consisted of removing (for reclamation) methylene chloride from shallow well MW-06A, monitoring groundwater in selected wells, and testing deep well MW-06C for possible casing leakage because of methylene chloride detections.

Methylene chloride was reclaimed from monitoring well MW-06A, using the existing steam stripper and a nitrogen stripper recovery system. DuPont and EPA agreed that groundwater removal in MW-06A would cease when the plant stopped using methylene chloride in the manufacturing process. The process ended in November 1996. As a result, methylene chloride reclamation occurred from April 1995 to November 1996. During this time, 190 pounds of methylene chloride were reclaimed from MW-06A. The casing leakage test of well MW-06C was completed in January 1996 and reported in the March status report (DERS, 1996). Test results indicated that casing leakage was not responsible for the occurrence of methylene chloride observed in well MW-06C. Instead, a nearby water exploration boring drilled in the 1970s and backfilled with gravel was

determined to be a local conduit, allowing methylene chloride migration into the lower aquifer.

DuPont attempted to locate the water exploration boring using visual reconnaissance, geophysical techniques, and excavations. Although some historical water exploration wells were found, DuPont was unsuccessful in locating the water exploration boring in the vicinity of well MW-06C.

In an effort to evaluate the MNA processes at the site, DuPont prepared an Evaluation of Intrinsic Bioremediation Report, dated July 23, 1997 (DERS, 1997). This report relied on a weight-of-evidence approach by evaluating a variety of parameters. Results indicated a high degree of microbial activity and demonstrated the effectiveness of bioremediation on the constituents of concern at the site. As a result of this evaluation, it was determined that the MNA process plays a critical role in the degradation of methylene chloride and chloroethenes (e.g., trichloroethene, cis-1,2-dichloroethene, and vinyl chloride).

In December 2006, DuPont installed two additional deep groundwater monitoring wells, MW-18 and MW-19, to monitor the lower aquifer. The two wells were installed to gather further information regarding the groundwater flow in the lower aquifer on the site and to collect supporting evidence that the known contamination in the area of MW-08 was not migrating vertically beyond the capture zone of pumping well SW-04. DuPont collected samples from the wells in January and May 2007. Laboratory analytical results from those sampling events indicated that no contamination is migrating vertically beyond the capture zone of pumping well SW-04.

2.4 Final Remedy Objectives and Performance Standards

The Post-Remedial Care Plan (AECOM, 2018) replaces the Permit as the guiding document for the continuation of post-remedial activity on-site. The Post-Remedial Care Plan includes the EPA Statement of Basis, EPA Final Decision and Response to Comments, a copy of the Environmental Covenant, and a Sampling and Analysis Plan.

The objectives of the final remedy are as follows:

- Implement and maintain institutional controls at the facility, per the Post-Remedial Care Plan (AECOM, 2018).
- Conduct MNA until DuPont demonstrates to the satisfaction of EPA that the groundwater cleanup standards selected in the Final Decision and Response to Comments are achieved and maintained at the facility for three consecutive years for the site-related constituents.

For groundwater, the clean-up standards consist of the respective maximum contaminant levels (MCLs) promulgated at 40 CFR part 141 pursuant to Section 1412 of the Safe Drinking Water Act, 42 U.S.C. Section 300g-1, for methylene chloride, trichloroethene, cis-1,2-dichloroethene, and vinyl chloride. Additionally, the DuPont conceptual model assumes that potentially impacted groundwater will be controlled within the radius of influence of SW-04, the currently operating deep zone production pumping well.

Under EPA's final remedy, DuPont is required to monitor groundwater until the concentration of methylene chloride, trichloroethene, cis-1,2-dichloroethene, and vinyl chloride do not exceed their respective cleanup level for three continuous years. At that time, DuPont may request termination of the Environmental Covenant for the site.

3.0 Groundwater Monitoring System and Sampling Methodology

Groundwater sampling is conducted once every fifth quarter at the site in accordance with the Post-Remedial Care Plan (AECOM, 2018). The groundwater monitoring system consists of the following 11 wells [ten program-specific monitoring wells and one production well (SW-04)] as shown in Figure 2:

MW-03C	MW-16
MW-06A	MW-17
MW-06C	MW-18
MW-07	MW-19
MW-08	SW-04
MW-15	

Field sampling activities were completed at the site on March 14-16, 2022.

3.1 Groundwater Level Measurements

Prior to purging, each well was opened to vent the well casing to allow the water elevation to come into equilibrium. A water-level indicator probe was used to measure depth to water. The water level indicator probe was cleaned prior to each use with an Alconox® detergent/water mixture, followed by a distilled/deionized water rinse.

Groundwater levels were measured at all wells that were to be sampled and at select wells that are on-site but are not part of the sampling program. The depth-to-water measurements and elevations are shown in Table 1.

3.2 Well Purging

Each of the sampled wells was purged using a site-specific, low-flow procedure. For the purposes of this investigation, low flow is defined as purging at a rate low enough (typically less than 1 gallon per minute) to obtain a stable water level, minimizing the effect of drawdown in the well casing. Purging was accomplished by placing a 2-inch submersible pump with polyethylene discharge tubing in the screen zone of each well. The discharge tubing, coming out of the well, was then directly connected into a fully enclosed flow cell. The flow cell contains water quality probes to obtain field parameter measurements.

Once purging began, field parameters were measured until the meter readings were stable. Field parameters included pH, temperature, specific conductivity, dissolved oxygen, and redox. Meter readings were then recorded every 5 minutes until three consecutive readings within 10% of one another were achieved for each parameter. Color, turbidity, and odor were also noted during purging (see Appendix A). The submersible pump was cleaned prior to each use with an Alconox detergent/water mixture, followed by a distilled/deionized water rinse.

3.3 Groundwater Sampling

Once field parameters stabilized, the discharge tubing was disconnected from the flow cell. Samples were obtained directly from the polyethylene tubing, using a low flow rate conducive to sampling for volatile organic compounds (VOCs). Groundwater was transferred directly into laboratory-provided sample containers. Samples were then shipped to Eurofins Lancaster Laboratories Env, LLC (Eurofins) in Lancaster, Pennsylvania.

During 2022 sampling activities, all wells were sampled except for MW-17 due to insufficient water volume. A duplicate sample was collected at SW-04. Matrix spike and matrix spike duplicate samples were collected at sampling location MW-06C. Two equipment blanks were collected with analyte-free field blank water provided by the laboratory.

4.0 Groundwater Results

4.1 Groundwater Flow

Groundwater elevations were used to produce shallow and deep zone groundwater contour maps indicating groundwater flow direction for the 2022 sampling event. Shallow zone groundwater continues to flow to the southwest toward MW-17 as shown in Figure 3. Deep zone groundwater in the area of MW-06C and MW-03C continues to flow south toward pumping well SW-04 (see Figure 4).

4.2 Groundwater Data Quality

All samples were submitted to Eurofins for VOC analysis (SW-846 Method 8260B). The samples were received at the laboratory on March 17, 2022 in satisfactory condition and within temperature and holding-time requirements. MW-17 was not sampled this round due to insufficient water volume.

The electronic data submitted by the laboratory for this sampling event were reviewed via the Data Verification Model (DVM) process. Overall, the data are acceptable for use without qualification except as noted in the Case Narrative provided in Appendix B. Due to high concentrations in groundwater from MW-08, some samples had to be analyzed at one or more dilutions. The reporting limits have been adjusted relative to the dilutions required.

Groundwater analytical data are presented in Table 2.

4.3 Groundwater Data Evaluation

The 2022 groundwater results were compared to federal MCLs and data from previous sampling events. The 2022 data are presented in Table 2. Figures 5 and 6 present the locations and concentrations of detected constituents in the shallow and deep zone, respectively. A summary of detected VOCs for all sampling events is provided in Table 3. Historical data for each well are provided in Appendix C.

4.3.1 Overview

As described below, concentrations exceeded federal MCLs of one or more constituent concentrations in three wells at the site during 2022:

- In MW-03C, only vinyl chloride with a concentration of 25 micrograms per liter (µg/L) exceeded its MCL (2 µg/L). All other detected constituents with applicable criteria were found at concentrations below their respective MCL. 1,1-Dichloroethane was detected at 5.1 µg/L, and acetone was detected at an estimated concentration of 4.0 J; however, both constituents do not have applicable MCLs. Historically, 1,1-dichloroethane has been detected in MW-03C ranging in concentration from 5 to 7 µg/L. Acetone has not been detected previously in MW-03C.
- In MW-08, five constituents were detected above MCLs as shown below.

Constituent	MCL (µg/L)	March 2022 Detected Concentration (µg/L)
1,1-Dichloroethene	7	13
Benzene	5	10
Cis-1,2-dichloroethene	70	7,000

Constituent	MCL (µg/L)	March 2022 Detected Concentration (µg/L)
Trichloroethene	5	17,000
Vinyl Chloride	2	150

Well MW-08 was analyzed at a 20- to 200-fold dilution. The dilution factor affects the detection limit for the constituents in well MW-08 (specifically methylene chloride, benzene, carbon tetrachloride, and 1,1-dichloroethene). Further discussion of 2022 data compared to historical data for these constituents is presented in the sections below.

- In SW-04 (plant production well), only trichloroethene at 5.8 µg/L exceeded the MCL (5 µg/L). All other detected constituents with applicable criteria were found at concentrations below their respective MCL.

The following sections discuss each of the four constituents (methylene chloride, trichloroethene, cis-1,2-dichloroethene, and vinyl chloride) that are monitored as part of the final remedy and any other constituents that have exceeded their MCL in 2022.

4.3.2 Methylene Chloride

Historical methylene chloride concentrations in MW-08 have decreased significantly from 34,000 µg/L in 1996, to 44 µg/L in 2008, to non-detect in 2009. There was a sporadic detection as an estimated concentration in the first half of 2015 and an exceedance (11 µg/L) in July 2019. Methylene chloride was not detected in MW-08 in October 2020 and March 2022.

Historically excluding MW-08, methylene chloride has not been detected in any other monitoring wells from the second half of 2003 through 2019 as shown in Table 3. In 2022, estimated concentrations of 0.57 µg/L and 0.63 µg/L were detected in MW-06A and MW-06C, respectively. Historical trends of methylene chloride in wells MW-06A, MW-06C, and MW-08 are also provided in Appendix D.

4.3.3 Trichloroethene

Trichloroethene was detected in four wells as shown below.

Well	MCL (µg/L)	March 2022 Detected Concentration (µg/L)
MW-06A	5	3.1
MW-08	5	**^17,000**
MW-15	5	0.54 J
SW-04	5	**^5.8**

^exceeds the MCL
J – Estimated Value

The MCL for trichloroethene was exceeded in 2022 at wells MW-08 and SW-04. Trichloroethene levels in MW-08 have undergone a substantial decrease in concentration since May 1995 when the concentration in MW-08 was 340,000 µg/L.

Trichloroethene concentrations have been detected inconsistently in MW-15 and SW-04 at much lower concentrations than MW-08. In MW-15, trichloroethene was not detected in the majority of sampling events; however, it has been detected sporadically in groundwater from seven events at low concentrations. In SW-04, trichloroethene has been detected since December 2010 with concentrations ranging from 3 J to 11 µg/L. As stated previously, MNA processes were evaluated at the site (DERS, 1997). Results

indicated a high degree of microbial activity, which plays a critical role in the degradation of the constituents of concern at the site.

The historical sampling concentration trends continue to show trichloroethene degradation as shown in Table 3. The historical trend of trichloroethene in well MW-08 is provided in Appendix D.

4.3.4 Cis-1,2-Dichloroethene and Vinyl Chloride

Cis-1,2-dichloroethene was detected in five wells as shown below.

Well	MCL (µg/L)	March 2022 Detected Concentration (µg/L)
MW-03C	70	14
MW-06A	70	0.53 J
MW-07	70	0.30 J
MW-08	70	**^7,000**
SW-04	70	11

^exceeds the MCL
J – Estimated Value

The MCL for cis-1,2-dichloroethene was only exceeded in MW-08. The historical trend of cis-1,2-dichloroethene in well MW-08 is shown in Appendix D.

Vinyl chloride was detected in two wells as shown below.

Well	MCL (µg/L)	March 2022 Detected Concentration (µg/L)
MW-03C	2	**^25**
MW-08	2	**^150**

^exceeds the MCL
The MCL for vinyl chloride was exceeded in MW-03C and MW-08. The continued presence of vinyl chloride, a late stage product of reductive dechlorination, indicates that degradation is occurring. The presence of these degradation products continues to demonstrate ongoing natural attenuation of chloroethenes at the site.

4.3.5 Benzene

In 2022, benzene was detected in MW-08 at a concentration of 10 µg/L exceeding its MCL of 5 µg/L. As noted earlier, samples collected from MW-08 were analyzed at a 20- to 200-fold dilution, resulting in elevated reporting limits. This dilution was necessary to analyze for trichloroethene in MW-08. Benzene has been detected in MW-08 at generally decreasing concentrations ranging from 150 J to 36 µg/L over the previous 11 reporting periods as shown in Table 3.

4.3.6 1,1-Dichloroethene

In 2022, 1,1-dichloroethene was detected in MW-08 at a concentration of 13 µg/L. 1,1-Dichloroethene had been detected in MW-08 since the second half of 2012 with generally decreasing concentrations ranging from 57 J to 20 µg/L. The historical range is shown in Table 3.

4.4 Summary

In 2022, constituent concentrations exceeded the MCLs in three wells: MW-03C (vinyl chloride), MW-08 (1,1-dichloroethene, benzene, cis-1,2-dichloroethene, trichloroethene and vinyl chloride), and SW-04 (trichloroethene). Constituent concentrations in MW-08 are generally lower than the historical concentrations that were reported. Vinyl chloride continues to be present in MW-03C consistent with previous results.

5.0 Conclusions and Recommendations

Significant decreases of methylene chloride and trichloroethene since 1996 and the presence of degradation products continue to demonstrate the effectiveness of natural attenuation at the site. This conclusion is supported by the following observations:

- Trichloroethene concentrations in MW-08 continue to be significantly less than historical concentrations.
- Cis-1,2-dichloroethene and vinyl chloride are present in groundwater. The presence of cis-1,2-dichloroethene and vinyl chloride (late stage products of reductive dechlorination) in MW-03C indicates continued degradation of the parent compound trichloroethene.
- Of the 11 monitoring wells that are sampled as part of this program, currently only three well locations have groundwater concentrations that exceed MCLs indicating that the MNA process is affecting the distribution of constituents at the site. The naturally occurring bioremediation is degrading methylene chloride and chloroethenes in groundwater and preventing migration of these constituents. Future monitoring results will be evaluated to determine if this trend is continuing and whether additional actions are warranted.

Ongoing monitoring will continue under the Post-Remedial Care Plan. Final remedial measures will continue at the site until EPA determines that groundwater cleanup standards have been met and maintained for three consecutive years for the site-related constituents at which time termination of the Environmental Covenant can be requested. Ongoing monitoring will continue at the site. The Post-Remedial Care Plan (AECOM, 2018) replaces the Permit as the guiding document for the continuation of post-remedial activity on-site. Samples will continue to be collected once every fifth quarter. The next sampling event will occur in second quarter of 2023. The report summarizing 2023 data will be submitted by March 31, 2024.

6.0 References

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Tables

Table 1
2022 Groundwater Elevations
DuPont Towanda Site
Towanda, Pennsylvania

Site ID	Top of Casing Elevation (msl)	2022 Depth to Water (ft bgs)	2022 Groundwater Elevation (msl)
B-17	791.74	NM*	NM
MW-03C	787.25	35.21	752.04
MW-04	789.82	15.40	774.42
MW-05	790.37	15.73	774.64
MW-06A	791.95	15.06	776.89
MW-06C	788.70	34.81	753.89
MW-07	781.10	17.25	763.85
MW-08	790.99	13.44	777.55
MW-13	792.14	9.86	782.28
MW-15	794.69	21.75	772.94
MW-16	792.75	6.89	785.86
MW-17	782.16	42.66	739.50
MW-18	792.27	83.82	708.45
MW-19	806.75	98.46	708.29
PZ-06A	791.74	13.18	778.56
PZ-12	792.72	8.25	784.47
SW-02	784.07	75.60	708.47
SW-04	792.00	83.90	708.10

NOTES:
Water levels were measured on March 14, 2022.
NM = Not Measured
msl = mean sea level
ft bgs = feet below ground surface
* Well was not accessible during the sampling event.

Table 2
2022 Groundwater VOC Results
DuPont Towanda Site
Towanda, Pennsylvania

Parameter Name	Federal MCL	Report Units	MW-03C	MW-06A	MW-06C	MW-07	MW-08
			03/16/2022	03/15/2022	03/16/2022	03/15/2022	03/15/2022
1,1,1-Trichloroethane	200	µg/L	<0.30	<0.30	<0.30	<0.30	**7.9 J**
1,1,2,2-Tetrachloroethane		µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
1,1,2-Trichloroethane	5	µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
1,1-Dichloroethane		µg/L	**5.1**	<0.30	<0.30	<0.30	<6.0
1,1-Dichloroethene	7	µg/L	**0.34 J**	<0.30	<0.30	<0.30	**13**
1,2-Dichloroethane	5	µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
1,2-Dichloropropane	5	µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
2-Hexanone		µg/L	<0.40	<0.40	<0.40	<0.40	<8.0
Acetone		µg/L	**4.0 J**	<0.70	<0.70	<0.70	<14
Benzene	5	µg/L	<0.30	<0.30	<0.30	<0.30	**10**
Bromodichloromethane		µg/L	<0.20	<0.20	<0.20	<0.20	<4.0
Bromoform		µg/L	<1.0	<1.0	<1.0	<1.0	<20
Carbon Tetrachloride	5	µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
Chlorobenzene	100	µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
Chlorodibromomethane		µg/L	<0.20	<0.20	<0.20	<0.20	<4.0
Chloroform		µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
cis-1,2 Dichloroethene	70	µg/L	**14**	**0.53 J**	<0.30	**0.30 J**	**7,000**
cis-1,3-Dichloropropene		µg/L	<0.20	<0.20	<0.20	<0.20	<4.0
Ethyl Chloride		µg/L	<0.20	<0.20	<0.20	<0.20	<4.0
Ethylbenzene	700	µg/L	<0.40	<0.40	<0.40	<0.40	<8.0
meta- and para-Xylene		µg/L	<2.0	<2.0	<2.0	<2.0	<40
Methyl Bromide		µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
Methyl Chloride		µg/L	<0.20	<0.20	<0.20	<0.20	<4.0
Methyl Ethyl Ketone		µg/L	<0.50	<0.50	<0.50	<0.50	<10
Methyl Isobutyl Ketone		µg/L	<0.50	<0.50	<0.50	<0.50	<10
Methylene Chloride	5	µg/L	<0.30	**0.57 J**	**0.63 J**	<0.30	<6.0
ortho-Xylene		µg/L	<0.40	<0.40	<0.40	<0.40	<8.0
Styrene	100	µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
Tetrachloroethene	5	µg/L	<0.30	<0.30	<0.30	<0.30	<6.0
Toluene	1000	µg/L	<0.20	<0.20	**0.29 J**	<0.20	<4.0
trans-1,2-Dichloroethene	100	µg/L	**0.85 J**	<0.30	<0.30	<0.30	**14 J**
trans-1,3-Dichloropropene		µg/L	<0.20	<0.20	<0.20	<0.20	<4.0
Trichloroethene	5	µg/L	<0.30	**3.1**	<0.30	<0.30	**17,000**
Vinyl Acetate		µg/L	<2.0	<2.0	<2.0	<2.0	<40
Vinyl Chloride	2	µg/L	**25**	<0.20	<0.20	<0.20	**150**
Xylenes	10000	µg/L	<0.40	<0.40	<0.40	<0.40	<8.0

FED MCL = Federal Maximum Contaminant Level
µg/L: micrograms per liter
Yellow: result above criteria
Bold: Analyte detected above Practical Quantitation Limit (PQL)
<: Non detect at stated reporting limit
J: Estimated concentration

Table 2
2022 Groundwater VOC Results
DuPont Towanda Site
Towanda, Pennsylvania

Parameter Name	Federal MCL	Report Units	MW-15	MW-16	MW-18	MW-19	SW-04	SW-04 DUP
			03/15/2022	03/15/2022	03/15/2022	03/15/2022	03/16/2022	03/16/2022
1,1,1-Trichloroethane	200	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1,2,2-Tetrachloroethane		µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1,2-Trichloroethane	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1-Dichloroethane		µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,1-Dichloroethene	7	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,2-Dichloroethane	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,2-Dichloropropane	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
2-Hexanone		µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Acetone		µg/L	**0.71 J**	<0.70	**1.7 J**	**0.87 J**	<0.70	<0.70
Benzene	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Bromodichloromethane		µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform		µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Tetrachloride	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chlorobenzene	100	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Chlorodibromomethane		µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform		µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
cis-1,2 Dichloroethene	70	µg/L	<0.30	<0.30	<0.30	<0.30	**11**	**10**
cis-1,3-Dichloropropene		µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethyl Chloride		µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	700	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
meta- and para-Xylene		µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Bromide		µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Methyl Chloride		µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methyl Ethyl Ketone		µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone		µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
ortho-Xylene		µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Styrene	100	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Tetrachloroethene	5	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Toluene	1000	µg/L	<0.20	**0.50 J**	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	100	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene		µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	5	µg/L	**0.54 J**	<0.30	<0.30	<0.30	**5.8**	**5.5**
Vinyl Acetate		µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Vinyl Chloride	2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes	10000	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40

FED MCL = Federal Maximum Contaminant Level
µg/L: micrograms per liter
Yellow: result above criteria
Bold: Analyte detected above Practical Quantitation Limit (PQL)
<: Non detect at stated reporting limit
J: Estimated concentration

Table 3
Summary of Historical Detected VOCs
DuPont Towanda Site
Towanda, Pennsylvania

VOC	Federal MCL	Well	May-95	Nov-95	Apr-96	Nov-96	May-97	Nov-97	Jun-98	Dec-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	Nov-02	May-03
1,1,1-TRICHLOROETHANE	200	MW-08	<500	**21 J**	<1000	<500	<500	<1,000	<1,000	**140**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	**100**	<1,000
1,1-DICHLOROETHANE		MW-02	**2 J**	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-03A	**15**	**14**	**12**	**12**	**11**	**11**	**5**	**10**	**6**	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-03C	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	**5**	<5
		MW-06A	<1,000	<2	<2,500	<2,500	<10,000	<2,500	<25	**9**	<1,000	<25	**7**	<1,300	**5**	**7**	<5 U	<5 U	<5
		MW-06C	**3 J**	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-08	<1,000	<20	<1,000	<500	<500	<1,000	<1,000	**6**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	6	<1,000
1,1-DICHLOROETHENE	7	MW-03C	<1.	<1.	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.	<5.	<5.	<5.	<5.
		MW-06A	<500	<1	<2,500	<2,500	<10,000	<2,500	<25	**7**	<1,000	<25	**8**	<1,300	**9**	**7**	<5 U	<5 U	<5
		MW-08	<500	<10	<1,000	<500	<500	<1,000	<1,000	**98**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	**140**	<1,000
ACETONE		MW-03A	<10	<6	<20	<20	<20	<20	**23**	<20	<20	<20	<20	<20	<20 U	<20 U	<20 U	<20 U	<20
		MW-03C	<10.	<6	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
		MW-06A	<5,000	**33**	**12,000**	<10,000	<40,000	<10,000	**1,300**	**2,000**	<4,000	**1,300**	**990**	<5,000	**530**	**690**	**120**	**160**	**110**
		MW-06C	**33 J**	<30	**73**	**20**	<20	**34**	**59**	<20	**47**	**28**	**34**	<20	<20 U	<20 U	<20 U	<20 U	<20
		MW-15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
BENZENE	5	MW-02	**2 J**	**1 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-03A	**1 J**	**2 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-03C	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-06A	<500	<1	<2,500	<2,500	<10,000	<2,500	**30**	**22**	<1,000	**25**	**26**	<1,300	**20**	**18**	**8**	**11**	**10**
		MW-06C	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-07	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-08	**620 J**	**59**	<1,000	**590**	<500	<1,000	<1,000	**400**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	**280**	<1,000
		MW-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CARBON TETRACHLORIDE	5	MW-08	<500	<10	<1,000	<500	<500	<1,000	<1,000	**31**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	**21**	<1,000
CHLOROFORM		MW-06A	<500	<1	<2,500	<2,500	<10,000	<2,500	**26**	<5	<1,000	<25	**9**	<1,300	**10**	**5**	<5 U	<5 U	<5
		MW-08	<500	<10	<1,000	<500	<500	<1,000	<1,000	**37**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	**30**	<1,000
		MW-09	**4 J**	<100	<2500	<500	<100	<5	<1,000	<100	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
CIS-1,2 DICHLOROETHENE	70	MW-02	<2	**3 J**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-03C	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	**6**	<5 U	**8**	**7**	**9**	**6**
		MW-06A	<1,000	**4 J**	<2,500	<2,500	<10,000	<2,500	<25	**9**	<1,000	<25	**7**	<1,300	<5 U	<5 U	<5 U	<5 U	<5
		MW-06C	**4 J**	<10	**6**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-07	**36**	**21**	**20**	**17**	**16**	**9**	**40**	**33**	**35**	**23**	**8**	**14**	**5**	**7**	<5 U	<5 U	<5
		MW-08	**35,000**	**40,000**	**40,000**	**43,000**	**34,000**	**37,000**	**48,000**	**36,000**	**42,000**	**51,000**	**48,000**	**48,000**	**47,000**	**53,000**	**47,000**	**49,000**	**46,000**
		MW-09	**3 J**	<200	<2,500	<500	<100	<5	<1,000	<100	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		SW-04	NS	NS	NS	NS	NS	NS	NS	**18**	**9**	**9**	**5**	**11**	**8**	**7**	**9**	**13**	**7**
ETHYLBENZENE	700	MW-06A	<500	<2	<2,500	<2,500	<10000	<2,500	<25	**14**	<1,000	<25	**17**	<1,300	**14**	**14**	<5 U	**8**	**8**
METHYL ETHYL KETONE		MW-06A	<1500	<3	<5000	<5000	<20000	<5,000	**53**	**35**	<2,000	**86**	**40**	<2,500	**22**	**24**	<10 U	<10 U	<10
		MW-09	**3 J**	<300	<5000	<1000	<200	<10	<2000	<200	<10	<10	<10	<10	<10 U	<10 U	<10 U	<10 U	<10

Table 3
Summary of Historical Detected VOCs
DuPont Towanda Site
Towanda, Pennsylvania

VOC	Federal MCL	Well	May-95	Nov-95	Apr-96	Nov-96	May-97	Nov-97	Jun-98	Dec-98	May-99	Nov-99	May-00	Nov-00	May-01	Nov-01	May-02	Nov-02	May-03
METHYLENE CHLORIDE	5	MW-03C	**3 J**	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-06A	**350,000**	**5,400**	**2,200,000**	**540,000**	**2,000,000**	**1,300,000**	**490,000**	**54,000**	**140,000**	**85,000**	**74,000**	**220,000**	**130,000**	**30,000**	**13,000**	**19,000**	**3,900**
		MW-06C	**7,200**	**7,400**	**8,100**	**2,100**	**120**	**2,400**	**4,600**	**1,100**	**1,800**	**680**	**740**	<5	**13**	<5 U	<5 U	<5 U	<5
		MW-07	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.	<5.	<5.	<5.	<5.
		MW-08	**31,000**	**33,000**	**34,000**	**30,000**	**23,000**	**20,000**	**23,000**	**93**	**19,000**	<1,000	**15,000**	<1,300	**11,000**	<500 U	<1,000 U	**28**	<1,000
		MW-09	**42,000**	**170,000**	**510,000**	**230,000**	**220,000**	**11,000**	**27,000**	**9,400**	**21**	**12**	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-15	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	**7**	<5
		MW-16	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	**9**	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**NS**	NS	NS	NS	NS	NS	NS
		SW-04	NS	NS	NS	NS	NS	NS	NS	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
TETRACHLOROETHYLENE	5	MW-08	<500	<10	<1,000	<500	<500	<1,000	<1,000	**6**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	**9**	<1,000
TOLUENE	1000	MW-03C	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-06A	<1,000	<2	<2,500	<2,500	<10000	<2,500	**210**	**110**	<1,000	**120**	**150**	<1,300	**120**	**120**	**45**	**75**	**62**
		MW-06C	NS	NS	NS	NS	NS	NS	**NS**	**NS**	NS	**NS**	**NS**	NS	**NS**	**NS**	**NS**	**NS**	**NS**
		MW-09	**2 J**	<200	<2500	<500	<100	<5	<1000	<100	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-16	**NS**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TRANS-1,2-DICHLOROETHEN	100	MW-03C	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-06A	<1,000	<2	<2,500	<2,500	<10000	<2,500	**38**	**28**	<1,000	**26**	**27**	<1,300	**21**	**18**	**6**	**10**	**10**
		MW-08	<1,000	<20	<1,000	<500	<500	<1,000	<1,000	**41**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	31	<1,000
		MW-09	**3 J**	<200	<2500	<500	<100	<5	<1000	<100	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
TRICHLOROETHENE	5	MW-06A	<500	**54**	<2,500	<2,500	<10000	<2,500	**42**	**6**	<1,000	<25	<5	<1,300	<5 U	<5 U	<5 U	<5 U	<5
		MW-07	**5 J**	**4 J**	<5	<5	<5	<5	<5	**5**	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-08	**340,000**	**310,000**	**380,000**	**270,000**	**280,000**	**200,000**	**260,000**	**180,000**	**250,000**	**240,000**	**260,000**	**200,000**	**240,000**	**180,000**	**210,000**	**150,000**	**200,000**
		MW-09	<1	**790**	<2,500	<500	<100	<5	<1,000	<100	**26**	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-12	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-15	<1	<1	<5	<5	<5	<5	<5	<5	<5	**30**	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-16	<1	<1	<5	<5	<5	<5	<5	<5	<5	**15**	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		SW-04	NS	4.	<5	8.	7.	8.	<5	<5	<5	<5	<5	<5	<5.	<5.	<5.	<5.	<5.
VINYL CHLORIDE	2	MW-02	3 J	4 J	<5	<5	**5**	<5	<5	**6**	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-03A	<2	3 J	<5	<5	**6**	**6**	<5	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-03C	**17**	**16**	**15**	**9**	**22**	**15**	**19**	**12**	**27**	**25**	**25**	**37**	**24**	**38**	**27**	**40**	**24**
		MW-06A	<1,000	<2	<2,500	<2,500	<10000	<2,500	<25	**8**	<1,000	<25	**13**	<1,300	**14**	**16**	<5 U	**8**	**8**
		MW-07	**16**	**8**	**9**	**12**	**7**	<5	**6**	<5	<5	<5	<5	<5	<5 U	<5 U	<5 U	<5 U	<5
		MW-08	<1,000	**68**	**1,400**	**960**	**840**	<1,000	<1,000	**96**	<2,000	<1,000	<1,300	<1,300	<1,000 U	<500 U	<1,000 U	**110**	<1,000
XYLENES (Total)	10000	MW-06A	<500	<1	<2,500	<2,500	<10000	<2,500	**28**	**17**	<1,000	<25	**21**	<1,300	**17**	**18**	**6**	**10**	**10**

FED MCL = Federal Maximum Contaminant Level
µg/L = micrograms per liter
J = estimated concentration
B = analyte detected in method blank
U = not detected
NS = Not Sampled
Yellow = concentration exceeds criteria

Table 3
Summary of Historical Detected VOCs
DuPont Towanda Site
Towanda, Pennsylvania

VOC	Federal MCL	Well	Nov-03	May-04	Nov-04	May-05	Nov-05	May-06	Jan-07	May-07	Nov-07	May-08	Nov-08	May-09	Nov-09	May-10	Dec-10	Apr-11	Nov-11
1,1,1-TRICHLOROETHANE	200	MW-08	<1,000	<1,000	<5	<500	<1,000	<1,000	<500	<500	<500	<500	**71**	<250	<500	<80	<80	<80	<80
1,1-DICHLOROETHANE		MW-02	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03A	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	<5	**6**	**6**	**6**	**6**	**6**	**6**	**7**	**6**	**6**	**5**	**5**	**6**	**6**	**6**	**6**	**5**
		MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
		MW-06C	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
		MW-08	<1,000	<1,000	<5	<500	<1,000	<1,000	<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
1,1-DICHLOROETHENE	7	MW-03C	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
		MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
		MW-08	<1,000	<1,000	<1,000	<500	<1,000	<1,000	<500	<500	<500	<500	**58**	<250	<500	<80	<80	<80	<80
ACETONE		MW-03A	<20	<20	<20	<20	<20	<20	<20	<20	<20	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<6	<6	<6	<6
		MW-06A	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<6	<6	<6	<6
		MW-06C	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<6	<6	<6	<6
		MW-15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-18	NS	NS	NS	NS	NS	NS	<20	<20	<20	<20	<20	<20	<20	<6	<6	<6	<6
		MW-19	NS	NS	NS	NS	NS	NS	<20	<20	NS	<20	<20	<20	<20	<6	<6	<6	<6
BENZENE	5	MW-02	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03A	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	<5	<5	<5	<5	<5	<5	<5	<5	<5	**8**	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
		MW-06A	<5	**6**	<5	5	<5	<5	<5	<5	<5	**9**	<5	<5	<5	**0.8 J**	**0.6 J**	<0.5	<0.5
		MW-06C	<5	<5	<5	<5	<5	<5	<5	<5	<5	**6**	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
		MW-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
		MW-08	<1,000	<1,000	<1,000	<500	<1,000	<1,000	<500	<500	<500	<500	**170**	<250	<500	**160 J**	**120 J**	**110 J**	**96 J**
		MW-18	NS	NS	NS	NS	NS	NS	<5	<5	<5	**24**	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
		MW-19	NS	NS	NS	NS	NS	NS	<5	<5	<5	**21**	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
CARBON TETRACHLORIDE	5	MW-08	<1,000	<1,000	<1,000	<500	<1,000	<1,000	<500	<500	<500	<500	**20**	<250	<500	<100	<100	<100	<100
CHLOROFORM		MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
		MW-08	<1,000	<1,000	<1,000	<500	<1,000	<1,000	<500	<500	<500	<500	**12**	<250	<500	<80	<80	<80	<80
		MW-09	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
CIS-1,2 DICHLOROETHENE	70	MW-02	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	**<5**	**13**	**12**	**13**	**12**	**13**	**14**	**15**	**14**	**14**	**14**	**15**	**15**	**15**	**14**	**14**	**15**
		MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
		MW-06C	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
		MW-07	**10**	**11**	**25**	**22**	**13**	**10**	**16**	**11**	**7**	**5**	<5	<5	<5	**1 J**	**2 J**	<0.8	**2 J**
		MW-08	**43,000**	**40,000**	**47,000**	**25,000**	**32,000**	**40,000**	**44,000**	**35,000**	**32,000**	**33,000**	**29,000**	**30,000**	**25,000**	**27,000**	**26,000**	**20,000**	**17,000**
		MW-09	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		SW-04	**10**	**13**	**12**	**10**	**8**	<5	**6**	**8**	**5**	**9**	**5**	**6**	**7**	NS	**9**	**10**	**18**
ETHYLBENZENE	700	MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
METHYL ETHYL KETONE		MW-06A	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<3	<3	<3	<3
		MW-09	<10	<10	<10	<10	<10	<10	<10	<10	<10	NS	NS	NS	NS	NS	NS	NS	NS

Table 3
Summary of Historical Detected VOCs
DuPont Towanda Site
Towanda, Pennsylvania

VOC	Federal MCL	Well	Nov-03	May-04	Nov-04	May-05	Nov-05	May-06	Jan-07	May-07	Nov-07	May-08	Nov-08	May-09	Nov-09	May-10	Dec-10	Apr-11	Nov-11
METHYLENE CHLORIDE	5	MW-03C	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
		MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
		MW-06C	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
		MW-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
		MW-08	**1,400**	<1,000	<1,000	**560**	<1,000	<1,000	**700**	<500	**800**	<500	**44**	<250	<500	<200	<200	<200	<200
		MW-09	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-15	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
		MW-16	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
		MW-18	NS	NS	NS	NS	NS	NS	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
		SW-04	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	<2	<2	<2
TETRACHLOROETHYLENE	5	MW-08	<1,000	<1,000	<1,000	<500	<1,000	<1,000	<500	<500	<500	<500	**9**	<250	<500	<80	<80	<80	<80
TOLUENE	1000	MW-03C	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.7	<0.7	**2 J**	<0.7
		MW-06A	**19**	**20**	<5	**8**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.7	<0.7	<0.7	<0.7
		MW-06C	**NS**	**NS**	NS	**NS**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-09	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-19	NS	NS	NS	NS	NS	NS	<5	<5	NS	<5	<5	<5	<5	<0.7	**1 J**	**1 J**	<0.7
RANS-1,2-DICHLOROETHEN	100	MW-03C	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
		MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
		MW-08	<1,000	<1,000	<1,000	<500	<1,000	<1,000	<500	<500	<500	<500	20	<250	<500	<80	<80	<80	<80
		MW-09	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
TRICHLOROETHENE	5	MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
		MW-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
		MW-08	**130,000**	**160,000**	**89,000**	**71,000**	**110,000**	**130,000**	**120,000**	**130,000**	**100,000**	**120,000**	**100,000**	**100,000**	**88,000**	**100,000**	**72,000**	**77,000**	**62,000**
		MW-09	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-12	<5	**37**	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-15	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	**22**	<1	<1	<1	<1
		MW-16	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
		MW-18	NS	NS	NS	NS	NS	NS	NS	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
		SW-04	<5	6	<5	NS	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	3 J	5	6
VINYL CHLORIDE	2	MW-02	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	3 J	<5	NS	NS	NS	NS	NS
		MW-03A	<5	<5	<5	<5	<5	<5	<5	<5	<5	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	**17**	**32**	**31**	**42**	**31**	**31**	**38**	**36**	**42**	**33**	**31**	**35**	**37**	**41**	**34**	**43**	**36**
		MW-06A	**6**	**6**	<5	**7**	<5	<5	<5	<5	<5	<5	<5	<5	<5	2 J	1 J	1 J	<1
		MW-07	<5	<5	<5	**5**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	1 J
		MW-08	<1,000	<1,000	<1,000	<500	<1,000	<1,000	<500	<500	<500	<500	**29**	<250	<500	<100	<100	**1,200**	<100
XYLENES (Total)	10000	MW-06A	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8

FED MCL = Federal Maximum Contaminant Level
µg/L = micrograms per liter
J = estimated concentration
B = analyte detected in method blank
U = not detected
NS = Not Sampled
Yellow = concentration exceeds criteria

Table 3
Summary of Historical Detected VOCs
DuPont Towanda Site
Towanda, Pennsylvania

VOC	Federal MCL	Well	May-12	Nov-12	Apr-13	Nov-13	Apr-14	Oct-14	Apr-15	Nov-15	Apr-17	May-18	Jul-19	Oct-20	Mar-22
1,1,1-TRICHLOROETHANE	200	MW-08	<80	<40	< 40	**26 J**	**31 J**	<25	**32**	**21**	<25	<25	**17 J**	**15 J**	**7.9 J**
1,1-DICHLOROETHANE		MW-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	**6**	**7**	**6**	**6**	**6**	**5**	**6**	**6**	**5**	**6**	**6**	**5.8**	**5**
		MW-06A	<1	<1	< 1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-06C	<1	**2 J**	< 1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	**1**	<0.2	<0.20	<0.30
		MW-08	<100	<50	< 50	<25	<25	<25	<5	<10	<25	<25	<4	<4.0	<6.0
1,1-DICHLOROETHENE	7	MW-03C	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.4 J**	**0.44 J**	**0.34 J**
		MW-06A	<0.8	<0.8	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-08	<80	**57 J**	**47 J**	**33 J**	**53**	**28 J**	**39**	**20**	**30 J**	<25	**28**	**22**	**13**
ACETONE		MW-03A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**2 B**	<0.70	**4.0 J**
		MW-06A	<6	<6	< 6	<6	**16 J**	<6	<6	<6	<6	<6	**3 B**	<0.70	<0.70
		MW-06C	<6	<6	< 6	<6	<6	<6	<6	<6	<6	<6	<0.8	<0.70	<0.70
		MW-15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.71 J**
		MW-18	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**0.9 B**	<0.70	**1.7 J**
		MW-19	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	**2 B**	<0.70	**0.87 J**
BENZENE	5	MW-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	<0.5	**0.8 J**	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-06A	<0.5	**0.8 J**	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**0.3 J**	<0.20	<0.30
		MW-06C	<0.5	**0.6 J**	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-07	<0.5	**0.6 J**	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-08	**110 J**	**150 J**	**92 J**	**81 J**	**96**	**66**	**78**	**55**	**63**	**56**	**49**	**36**	**10**
		MW-18	<0.5	**0.6 J**	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-19	<0.5	**0.8 J**	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
CARBON TETRACHLORIDE	5	MW-08	<100	<50	< 50	<25	<25	<25	**16**	<10	<25	<25	**5 J**	<4.0	<6.0
CHLOROFORM		MW-06A	<0.8	<0.8	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-08	<80	<40	< 40	<20	<25	<25	<5	<10	<25	<25	<4	**4.6 J**	**<6.0**
		MW-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
CIS-1,2 DICHLOROETHENE	70	MW-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	**16**	**20**	**14**	**16**	**16**	**13**	**16**	**14**	**13**	**15**	**14**	**15**	**14**
		MW-06A	<0.8	<0.8	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	**0.53 J**
		MW-06C	<0.8	<0.8	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-07	<0.8	<0.8	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**1**	**1.6 B**	**0.30 J**
		MW-08	**24,000**	**31,000**	**23,000**	**18,000**	**22,000**	**15,000**	**20,000**	**12,000**	**17,000**	**15,000**	**13,000**	**11,000**	**7,000**
		MW-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		SW-04	**16**	**21**	**16**	**15**	**5**	**5**	**5**	**6**	**10**	**9**	**13**	**20**	**11**
ETHYLBENZENE	700	MW-06A	<0.8	<0.8	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.40	<0.40
METHYL ETHYL KETONE		MW-06A	<3	<3	< 3	<3	<3	<3	<3	<3	<3	<3	<1	<0.30	<0.50
		MW-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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Towanda, Pennsylvania

VOC	Federal MCL	Well	May-12	Nov-12	Apr-13	Nov-13	Apr-14	Oct-14	Apr-15	Nov-15	Apr-17	May-18	Jul-19	Oct-20	Mar-22
METHYLENE CHLORIDE	5	MW-03C	<2	<2	< 2	<2	<2	<2	<2	<2	<2	<0.5	**0.4 B**	<0.30	<0.30
		MW-06A	<2	<2	< 1	<1	<2	<2	<2	<2	<2	<0.5	**2 B**	**0.45 J**	**0.57 J**
		MW-06C	<2	<2	< 2	<2	<2	<2	<2	<2	<2	<0.5	**0.4 B**	<0.30	**0.63 J**
		MW-07	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5	**0.2 B**	<0.30	<0.30
		MW-08	<200	<100	< 100	<50	<100	<100	**25 J**	<40	<100	<25	**11**	<6.0	<6.0
		MW-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-15	<2	<2	< 2	<2	<2	<2	<2	<2	<2	<0.5	**0.2 B**	<0.30	<0.30
		MW-16	<2	<2	< 2	<2	<2	<2	<2	<2	<2	<0.5	**0.3 B**	<0.30	<0.30
		MW-18	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5	**0.3 B**	<0.30	<0.30
		SW-04	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5	<0.2	<0.30	<0.30
TETRACHLOROETHYLENE	5	MW-08	<80	<50	< 40	<20	<25	<25	<5	<10	<25	<25	<4	<4.0	<6.0
TOLUENE	1000	MW-03C	<0.7	<0.7	< 0.7	<0.7	**0.7 J**	<0.5	<0.5	<0.5	<0.5	**0.9 J**	<0.2	<0.20	<0.20
		MW-06A	<0.7	<0.7	< 0.7	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	**0.5 J**	<0.2	<0.20	<0.20
		MW-06C	NS	NS	NS	NS	NS	NS	NS	NS	**NS**	**NS**	NS	NS	**0.29 J**
		MW-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**0.50 J**
		MW-19	<0.7	<0.7	< 0.7	<0.7	**0.6 J**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
RANS-1,2-DICHLOROETHEN	100	MW-03C	**0.9 J**	**1 J**	**1 J**	**0.9 J**	1	**0.9J**	**1**	**1**	0.8 J	**0.9 J**	**1**	**1.1 J**	**0.85 J**
		MW-06A	<0.8	**1 J**	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-08	<80	<40	< 40	<20	<25	<25	**13**	<10	<25	<25	**34**	**12 J**	**14 J**
		MW-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TRICHLOROETHENE	5	MW-06A	<1	<1	< 1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	**3**
		MW-07	<1	<1	< 1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	**0.22 B**	<0.30
		MW-08	**83,000**	**79,000**	**67,000**	**53,000**	**68,000**	**50,000**	**62,000**	**36,000**	**43,000**	**32,000**	**35,000**	**34,000**	**17,000**
		MW-09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-15	<1	<1	< 1	<1	<0.5	<0.5	<0.5	**0.6 J**	**17**	**0.7 J**	**0.7 J**	<0.20	**0.54 J**
		MW-16	<1	<1	< 1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		MW-18	<1	<1	< 1	<1	<0.5	<0.5	**0.6 B**	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
		SW-04	7	9	6	8	3	3	2 B	3	**5**	**5**	**7**	**11**	**6**
VINYL CHLORIDE	2	MW-02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		MW-03C	**35**	**44**	**27**	**37**	**37**	**32**	**39**	**32**	**25**	**33**	**27**	**29**	**25**
		MW-06A	1 J	1 J	< 1	<1	0.6 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.20	<0.20
		MW-07	<1	<1	< 1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	**0.29 J**	<0.20
		MW-08	<100	55 J	**520**	<25	**1,100**	<25	**1,100**	<10	**860**	**900**	**460**	**4.3**	**150**
XYLENES (Total)	10000	MW-06A	<0.8	<0.8	< 0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.4	<0.40

FED MCL = Federal Maximum Contaminant Level
µg/L = micrograms per liter
J = estimated concentration
B = analyte detected in method blank
U = not detected
NS = Not Sampled
Yellow = concentration exceeds criteria

Figures

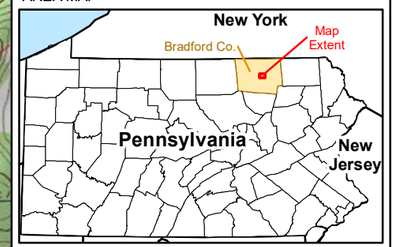
Towanda Property Outline

Legend

Towanda Property Outline

NOTES:
Source: USA Topo Maps, Copyright:© 2013 National Geographic Society, i-cubed
Map Scale: 1:24,000
Map Projection: NAD83 Pennsylvania North State Plane feet

AREA MAP



0 1,000 2,000 4,000
Feet
1 inch = 2,000 feet

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
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AECOM
248 Chapman Road
Suite 101
Newark, DE 19702

SITE LOCATION MAP

2022 Final Remedy Status Report
DuPont Towanda Site
Towanda, Pennsylvania

TASK NUMBER:	PROJECT NUMBER:
23050	60697111
DESIGNED BY: A. THOMPSON	DATE: 2/9/2023
DRAWN BY: G. TANASE	FIGURE NUMBER: 1
DATA QUALITY CHECK BY: G. GREGORY	

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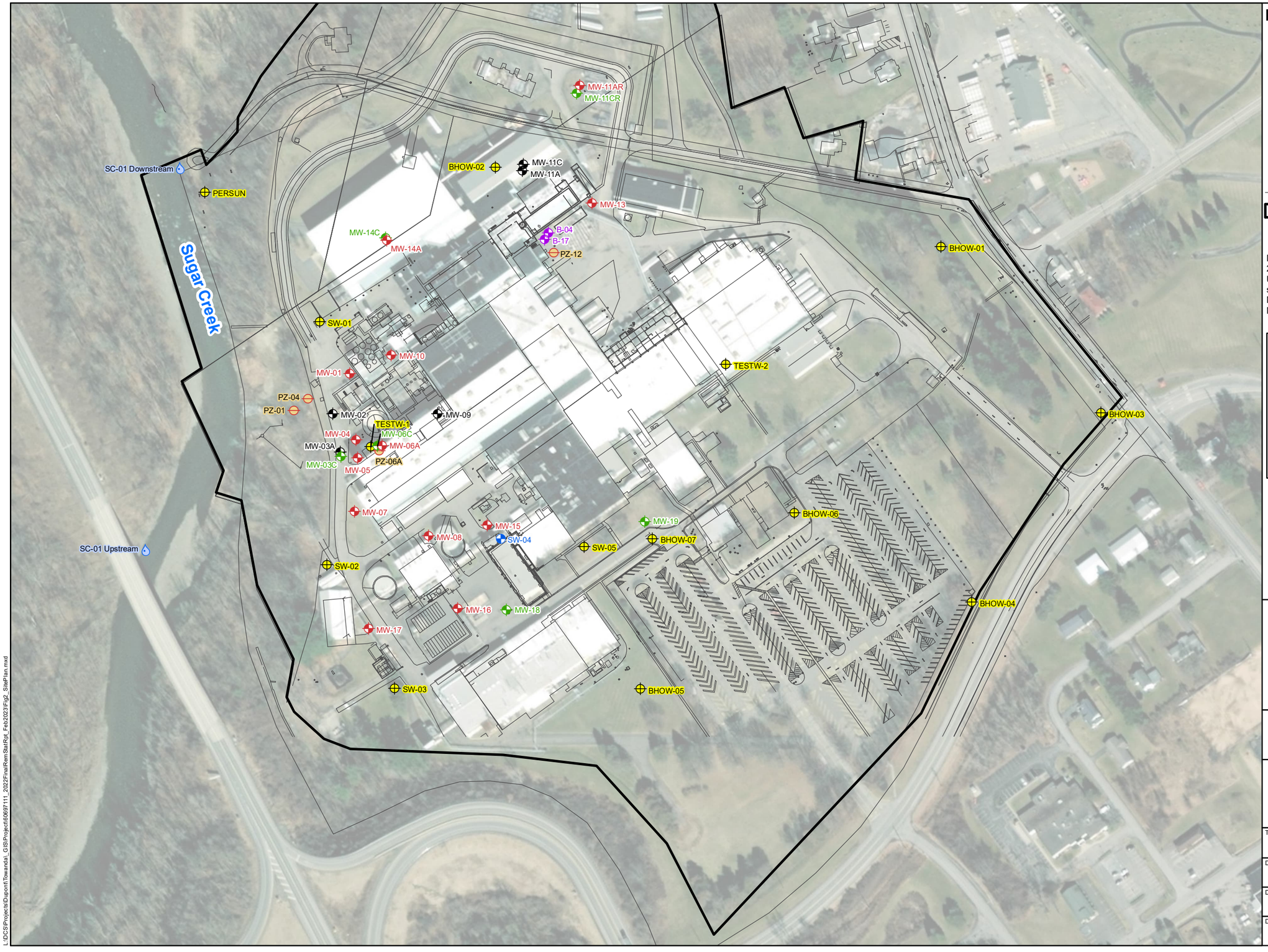
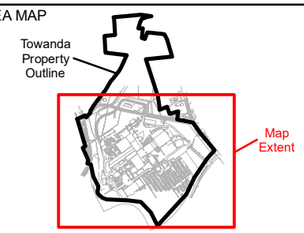


Legend

- Shallow Monitoring Well
- Deep Monitoring Well
- Abandoned Monitoring Well
- Pre RFI Monitor Well
- Plant Production Well
- Historical Water Exploration Well or Boring
- Piezometer
- Surface Water Sample Location (Approximate)
- Basemap Feature
- Towanda Property Outline

NOTES:
2020 Vivid Aerial Source: Esri, DigitalGlove, GeoEye, i-cubed, USDA, USGS AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Map Scale: 1:2,400
Map Projection: NAD83 Pennsylvania North State Plane feet

AREA MAP



0 100 200 400

Feet
1 inch = 200 feet

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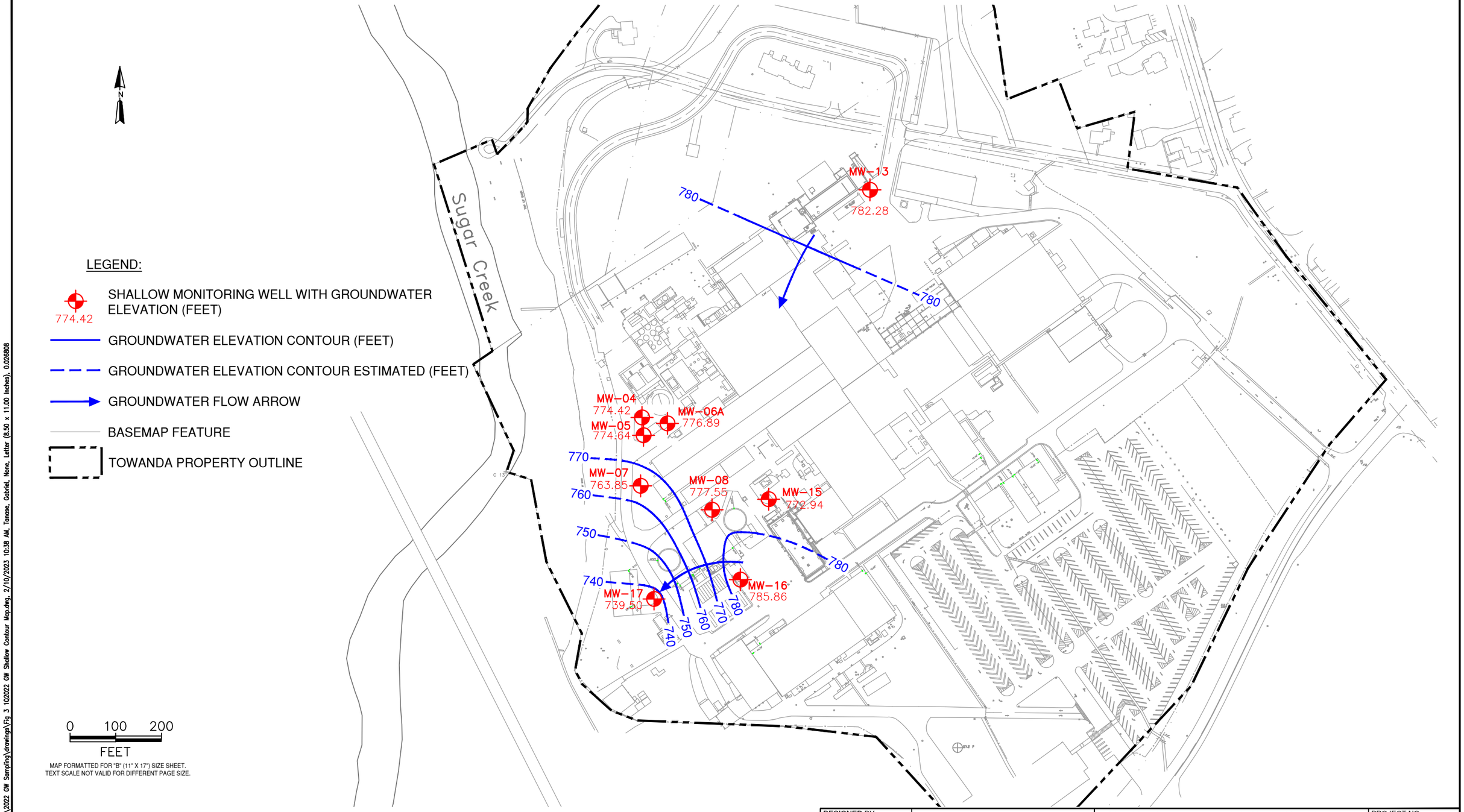
AECOM
248 Chapman Road
Suite 101
Newark, DE 19702

SITE PLAN

2022 Final Remedy Status Report
DuPont Towanda Site
Towanda, Pennsylvania

TASK NUMBER:	PROJECT NUMBER:
23050	60697111
DESIGNED BY: A. THOMPSON	DATE: 2/9/2023
DRAWN BY: G. TANASE	FIGURE NUMBER: 2
DATA QUALITY CHECK BY: G. GREGORY	

L:\DCS\Projects\Dupont\Towanda_GIS\Project\60697111_2022FinalRemStatRpt_Feb2023\Fig2_SitePlan.mxd



DESIGNED BY: A. THOMPSON DRAWN BY: G. TANASE DATA QUALITY CHKD: G. GREGORY APPROVED BY:	AECOM 248 Chapman Road Suite 101 Newark, DE 19702	GROUNDWATER CONTOUR MAP SHALLOW ZONE MARCH 2022 DUPONT TOWANDA SITE TOWANDA, PENNSYLVANIA	PROJECT NO. 60697111 DATE 2/9/2023 FIGURE No: 3

LEGEND:

752.04 DEEP MONITORING WELL WITH GROUNDWATER ELEVATION (FEET)

HISTORICAL WATER EXPLORATION WELL OR BORING WITH GROUNDWATER ELEVATION (FEET)

PLANT PRODUCTION WELL WITH GROUNDWATER ELEVATION (FEET)

GROUNDWATER ELEVATION CONTOUR (FEET)

GROUNDWATER ELEVATION CONTOUR ESTIMATED (FEET)

GROUNDWATER FLOW ARROW

BASEMAP FEATURE

TOWANDA PROPERTY OUTLINE

Sugar Creek

MW-03C 752.04

MW-06C 753.89

MW-19 708.29

SW-04 708.10

SW-02 708.47

MW-18 708.45

750 740 730 720 710

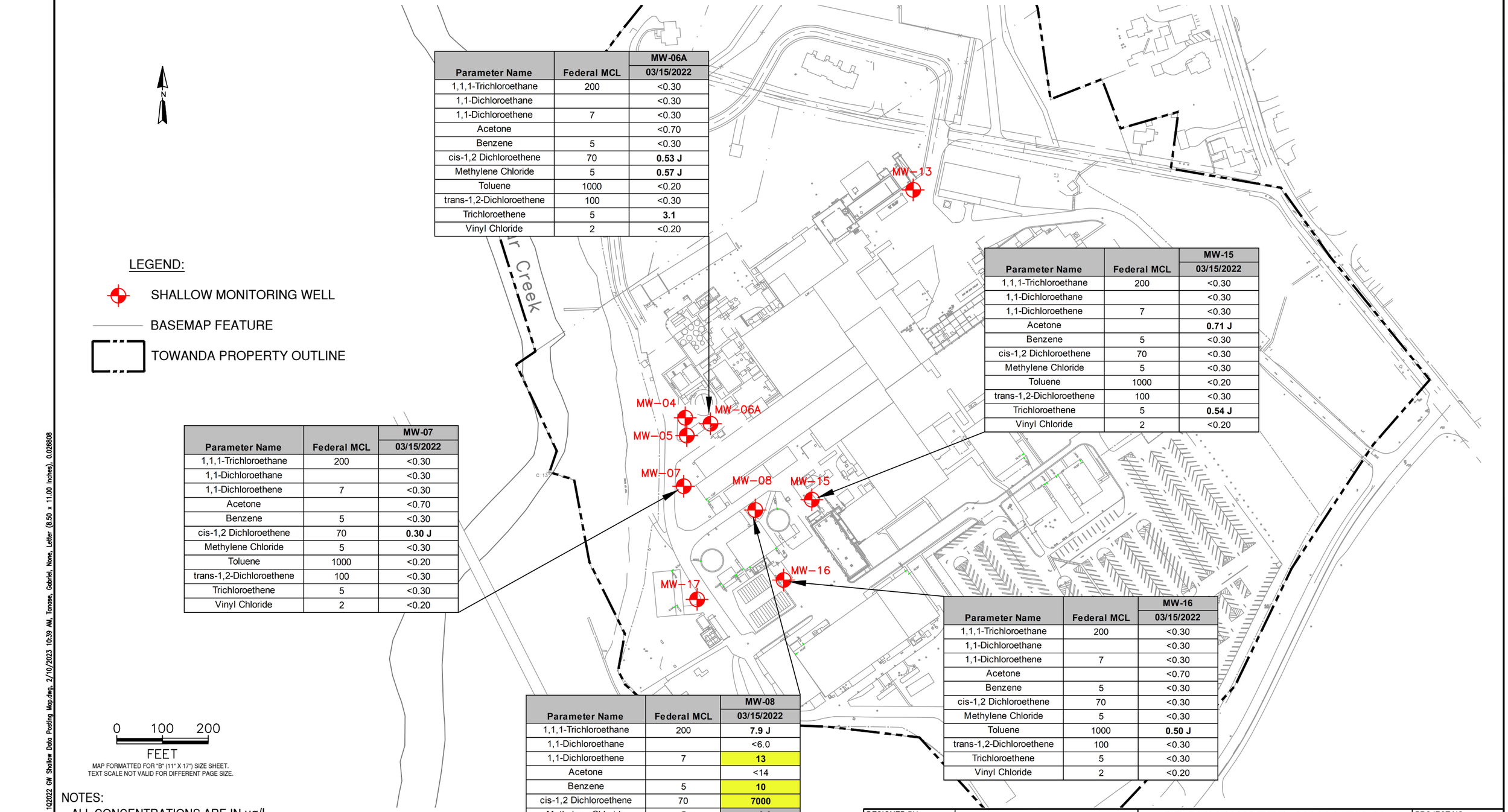
0 100 200

FEET

MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

C:\Users\Tanasek\Desktop\CAD\Fig 4 102022 GW Deep Contour Map.dwg, 2/10/2023 10:38 AM, Tanasek, Gabriel, None, Letter (8.50 x 11.00 Inches), 0.026808

DESIGNED BY: A. THOMPSON	AECOM 248 Chapman Road Suite 101 Newark, DE 19702	GROUNDWATER CONTOUR MAP DEEP ZONE MARCH 2022	PROJECT NO. 60697111
DRAWN BY: G. TANASE			DATE 2/9/2023
DATA QUALITY CHKD: G. GREGORY		DUPONT TOWANDA SITE TOWANDA, PENNSYLVANIA	FIGURE NO. 4
APPROVED BY:			



Parameter Name	Federal MCL	MW-06A 03/15/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		<0.30
1,1-Dichloroethene	7	<0.30
Acetone		<0.70
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	**0.53 J**
Methylene Chloride	5	**0.57 J**
Toluene	1000	<0.20
trans-1,2-Dichloroethene	100	<0.30
Trichloroethene	5	**3.1**
Vinyl Chloride	2	<0.20

Parameter Name	Federal MCL	MW-15 03/15/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		<0.30
1,1-Dichloroethene	7	<0.30
Acetone		**0.71 J**
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	<0.30
Methylene Chloride	5	<0.30
Toluene	1000	<0.20
trans-1,2-Dichloroethene	100	<0.30
Trichloroethene	5	**0.54 J**
Vinyl Chloride	2	<0.20

Parameter Name	Federal MCL	MW-07 03/15/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		<0.30
1,1-Dichloroethene	7	<0.30
Acetone		<0.70
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	**0.30 J**
Methylene Chloride	5	<0.30
Toluene	1000	<0.20
trans-1,2-Dichloroethene	100	<0.30
Trichloroethene	5	<0.30
Vinyl Chloride	2	<0.20

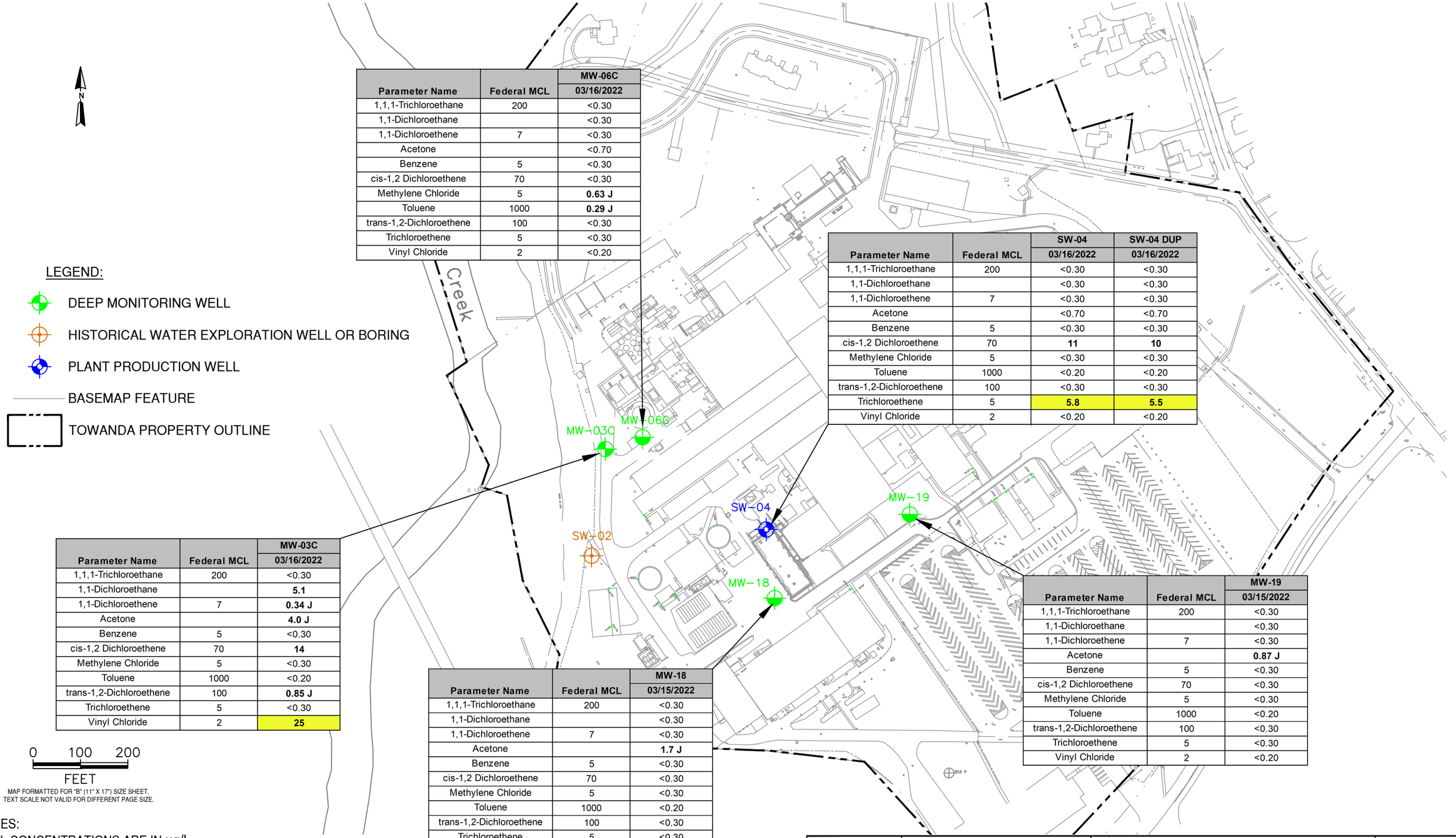
Parameter Name	Federal MCL	MW-16 03/15/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		<0.30
1,1-Dichloroethene	7	<0.30
Acetone		<0.70
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	<0.30
Methylene Chloride	5	<0.30
Toluene	1000	**0.50 J**
trans-1,2-Dichloroethene	100	<0.30
Trichloroethene	5	<0.30
Vinyl Chloride	2	<0.20

Parameter Name	Federal MCL	MW-08 03/15/2022
1,1,1-Trichloroethane	200	**7.9 J**
1,1-Dichloroethane		<6.0
1,1-Dichloroethene	7	**13**
Acetone		<14
Benzene	5	**10**
cis-1,2 Dichloroethene	70	**7000**
Methylene Chloride	5	<6.0
Toluene	1000	<4.0
trans-1,2-Dichloroethene	100	**14 J**
Trichloroethene	5	**17000**
Vinyl Chloride	2	**150**

NOTES:
ALL CONCENTRATIONS ARE IN µg/L.
EXCEEDANCES INDICATED IN YELLOW HIGHLIGHT.
< = CONCENTRATION NON-DETECT AT STATED REPORTING LIMIT.
J = ESTIMATED VALUE.
BOLD = INDICATES DETECTED CONCENTRATION.

DESIGNED BY: A. THOMPSON DRAWN BY: G. TANASE DATA QUALITY CHKD: G. GREGORY APPROVED BY:	AECOM 248 Chapman Road Suite 101 Newark, DE 19702	GROUNDWATER ANALYTICAL RESULTS MAP - SHALLOW ZONE MARCH 2022 DUPONT TOWANDA SITE TOWANDA, PENNSYLVANIA	PROJECT NO. 60697111 DATE 2/9/2023 FIGURE No: 5

C:\Users\Tonosek\Desktop\CAD\Fig 5 102022 GW Shallow Data Posting Map.dwg, 2/10/2023 10:39 AM, Tonose, Gabriel, None, Letter (8.50 x 11.00 inches), 0.026808



LEGEND:

- DEEP MONITORING WELL
- HISTORICAL WATER EXPLORATION WELL OR BORING
- PLANT PRODUCTION WELL
- BASEMAP FEATURE
- TOWANDA PROPERTY OUTLINE

Parameter Name	Federal MCL	MW-06C 03/16/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		<0.30
1,1-Dichloroethene	7	<0.30
Acetone		<0.70
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	<0.30
Methylene Chloride	5	**0.63 J**
Toluene	1000	**0.29 J**
trans-1,2-Dichloroethene	100	<0.30
Trichloroethene	5	<0.30
Vinyl Chloride	2	<0.20

Parameter Name	Federal MCL	SW-04 03/16/2022	SW-04 DUP 03/16/2022
1,1,1-Trichloroethane	200	<0.30	<0.30
1,1-Dichloroethane		<0.30	<0.30
1,1-Dichloroethene	7	<0.30	<0.30
Acetone		<0.70	<0.70
Benzene	5	<0.30	<0.30
cis-1,2 Dichloroethene	70	**11**	**10**
Methylene Chloride	5	<0.30	<0.30
Toluene	1000	<0.20	<0.20
trans-1,2-Dichloroethene	100	<0.30	<0.30
Trichloroethene	5	**5.8**	**5.5**
Vinyl Chloride	2	<0.20	<0.20

Parameter Name	Federal MCL	MW-03C 03/16/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		**5.1**
1,1-Dichloroethene	7	**0.34 J**
Acetone		**4.0 J**
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	**14**
Methylene Chloride	5	<0.30
Toluene	1000	<0.20
trans-1,2-Dichloroethene	100	**0.85 J**
Trichloroethene	5	<0.30
Vinyl Chloride	2	**25**

Parameter Name	Federal MCL	MW-18 03/15/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		<0.30
1,1-Dichloroethene	7	<0.30
Acetone		**1.7 J**
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	<0.30
Methylene Chloride	5	<0.30
Toluene	1000	<0.20
trans-1,2-Dichloroethene	100	<0.30
Trichloroethene	5	<0.30
Vinyl Chloride	2	<0.20

Parameter Name	Federal MCL	MW-19 03/15/2022
1,1,1-Trichloroethane	200	<0.30
1,1-Dichloroethane		<0.30
1,1-Dichloroethene	7	<0.30
Acetone		**0.87 J**
Benzene	5	<0.30
cis-1,2 Dichloroethene	70	<0.30
Methylene Chloride	5	<0.30
Toluene	1000	<0.20
trans-1,2-Dichloroethene	100	<0.30
Trichloroethene	5	<0.30
Vinyl Chloride	2	<0.20

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NOTES:

ALL CONCENTRATIONS ARE IN µg/L.
EXCEEDANCES INDICATED IN YELLOW HIGHLIGHT.
< = CONCENTRATION NON-DETECT AT STATED REPORTING LIMIT.
J = ESTIMATED VALUE.
BOLD = INDICATES DETECTED CONCENTRATION.

DESIGNED BY: A. THOMPSON DRAWN BY: G. TANASE DATA QUALITY CHKD: G. GREGORY APPROVED BY:	AECOM 248 Chapman Road Suite 101 Newark, DE 19702	GROUNDWATER ANALYTICAL RESULTS MAP - DEEP ZONE MARCH 2022 DUPONT TOWANDA SITE TOWANDA, PENNSYLVANIA
		PROJECT NO. 60697111 DATE 2/9/2023 FIGURE No: 6

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Appendices

Appendix A

Groundwater Field Data

Appendix A
Groundwater Field Sample Logsheets
2022 Annual Groundwater Sampling
DuPont Towanda Site
Towanda, Pennsylvania

Location ID	Field Sample ID	Measurement Date	Measurement Time	Parameter	Value	Units
MW-03C	1Q22-MW-03C	03/16/2022	8:30	COLOR	NM	NONE
MW-03C	1Q22-MW-03C	03/16/2022	8:30	DISSOLVED OXYGEN	0.64	MG/L
MW-03C	1Q22-MW-03C	03/16/2022	8:30	FLOW RATE	200	mL/min
MW-03C	1Q22-MW-03C	03/16/2022	8:30	ODOR	NM	NONE
MW-03C	1Q22-MW-03C	03/16/2022	8:30	PH	6.27	STD UNITS
MW-03C	1Q22-MW-03C	03/16/2022	8:30	REDOX	-51.4	MV
MW-03C	1Q22-MW-03C	03/16/2022	8:30	SPECIFIC CONDUCTANCE	3110	UMHOS/CM
MW-03C	1Q22-MW-03C	03/16/2022	8:30	TEMPERATURE	7.70	DEG C
MW-03C	1Q22-MW-03C	03/16/2022	8:30	Total Volume Pumped	1	GAL
MW-03C	1Q22-MW-03C	03/16/2022	8:30	TURBIDITY QUANTITATIVE	NM	NTU
MW-06A	1Q22-MW-06A	03/15/2022	14:50	COLOR	NM	NONE
MW-06A	1Q22-MW-06A	03/15/2022	14:50	DISSOLVED OXYGEN	2.85	MG/L
MW-06A	1Q22-MW-06A	03/15/2022	14:50	FLOW RATE	200	mL/min
MW-06A	1Q22-MW-06A	03/15/2022	14:50	ODOR	NM	NONE
MW-06A	1Q22-MW-06A	03/15/2022	14:50	PH	5.87	STD UNITS
MW-06A	1Q22-MW-06A	03/15/2022	14:50	REDOX	-18.3	MV
MW-06A	1Q22-MW-06A	03/15/2022	14:50	SPECIFIC CONDUCTANCE	556	UMHOS/CM
MW-06A	1Q22-MW-06A	03/15/2022	14:50	TEMPERATURE	13.49	DEG C
MW-06A	1Q22-MW-06A	03/15/2022	14:50	Total Volume Pumped	2	GAL
MW-06A	1Q22-MW-06A	03/15/2022	14:50	TURBIDITY QUANTITATIVE	132.2	NTU
MW-06C	1Q22-MW-06C	03/16/2022	9:28	COLOR	NM	NONE
MW-06C	1Q22-MW-06C	03/16/2022	9:28	DISSOLVED OXYGEN	5.01	MG/L
MW-06C	1Q22-MW-06C	03/16/2022	9:28	FLOW RATE	200	mL/min
MW-06C	1Q22-MW-06C	03/16/2022	9:28	ODOR	NM	NONE
MW-06C	1Q22-MW-06C	03/16/2022	9:28	PH	8.44	STD UNITS
MW-06C	1Q22-MW-06C	03/16/2022	9:28	REDOX	5.5	MV
MW-06C	1Q22-MW-06C	03/16/2022	9:28	SPECIFIC CONDUCTANCE	466	UMHOS/CM
MW-06C	1Q22-MW-06C	03/16/2022	9:28	TEMPERATURE	10.22	DEG C
MW-06C	1Q22-MW-06C	03/16/2022	9:28	Total Volume Pumped	1	GAL
MW-06C	1Q22-MW-06C	03/16/2022	9:28	TURBIDITY QUANTITATIVE	NM	NTU

Appendix A
Groundwater Field Sample Logsheets
2022 Annual Groundwater Sampling
DuPont Towanda Site
Towanda, Pennsylvania

Location ID	Field Sample ID	Measurement Date	Measurement Time	Parameter	Value	Units
MW-07	1Q22-MW-07	03/15/2022	9:05	COLOR	NM	NONE
MW-07	1Q22-MW-07	03/15/2022	9:05	DISSOLVED OXYGEN	1.07	MG/L
MW-07	1Q22-MW-07	03/15/2022	9:05	FLOW RATE	300	mL/min
MW-07	1Q22-MW-07	03/15/2022	9:05	ODOR	NM	NONE
MW-07	1Q22-MW-07	03/15/2022	9:05	PH	6.35	STD UNITS
MW-07	1Q22-MW-07	03/15/2022	9:05	REDOX	136.6	MV
MW-07	1Q22-MW-07	03/15/2022	9:05	SPECIFIC CONDUCTANCE	755	UMHOS/CM
MW-07	1Q22-MW-07	03/15/2022	9:05	TEMPERATURE	7.85	DEG C
MW-07	1Q22-MW-07	03/15/2022	9:05	Total Volume Pumped	2	GAL
MW-07	1Q22-MW-07	03/15/2022	9:05	TURBIDITY QUANTITATIVE	53.3	NTU
MW-08	1Q22-MW-08	03/15/2022	13:55	COLOR	NM	NONE
MW-08	1Q22-MW-08	03/15/2022	13:55	DISSOLVED OXYGEN	0.54	MG/L
MW-08	1Q22-MW-08	03/15/2022	13:55	FLOW RATE	180	mL/min
MW-08	1Q22-MW-08	03/15/2022	13:55	ODOR	NM	NONE
MW-08	1Q22-MW-08	03/15/2022	13:55	PH	6.04	STD UNITS
MW-08	1Q22-MW-08	03/15/2022	13:55	REDOX	44.7	MV
MW-08	1Q22-MW-08	03/15/2022	13:55	SPECIFIC CONDUCTANCE	2879	UMHOS/CM
MW-08	1Q22-MW-08	03/15/2022	13:55	TEMPERATURE	14.50	DEG C
MW-08	1Q22-MW-08	03/15/2022	13:55	Total Volume Pumped	1	GAL
MW-08	1Q22-MW-08	03/15/2022	13:55	TURBIDITY QUANTITATIVE	3.4	NTU
MW-15	1Q22-MW-15	03/15/2022	13:03	COLOR	NM	NONE
MW-15	1Q22-MW-15	03/15/2022	13:03	DISSOLVED OXYGEN	6.00	MG/L
MW-15	1Q22-MW-15	03/15/2022	13:03	FLOW RATE	200	mL/min
MW-15	1Q22-MW-15	03/15/2022	13:03	ODOR	NM	NONE
MW-15	1Q22-MW-15	03/15/2022	13:03	PH	6.56	STD UNITS
MW-15	1Q22-MW-15	03/15/2022	13:03	REDOX	144.3	MV
MW-15	1Q22-MW-15	03/15/2022	13:03	SPECIFIC CONDUCTANCE	1125	UMHOS/CM
MW-15	1Q22-MW-15	03/15/2022	13:03	TEMPERATURE	15.16	DEG C
MW-15	1Q22-MW-15	03/15/2022	13:03	Total Volume Pumped	1	GAL
MW-15	1Q22-MW-15	03/15/2022	13:03	TURBIDITY QUANTITATIVE	16.7	NTU
MW-16	1Q22-MW-16	03/15/2022	12:15	COLOR	NM	NONE
MW-16	1Q22-MW-16	03/15/2022	12:15	DISSOLVED OXYGEN	5.01	MG/L
MW-16	1Q22-MW-16	03/15/2022	12:15	FLOW RATE	200	mL/min
MW-16	1Q22-MW-16	03/15/2022	12:15	ODOR	NM	NONE
MW-16	1Q22-MW-16	03/15/2022	12:15	PH	6.26	STD UNITS
MW-16	1Q22-MW-16	03/15/2022	12:15	REDOX	76.3	MV
MW-16	1Q22-MW-16	03/15/2022	12:15	SPECIFIC CONDUCTANCE	4201	UMHOS/CM

Appendix A
Groundwater Field Sample Logsheets
2022 Annual Groundwater Sampling
DuPont Towanda Site
Towanda, Pennsylvania

Location ID	Field Sample ID	Measurement Date	Measurement Time	Parameter	Value	Units
MW-16	1Q22-MW-16	03/15/2022	12:15	TEMPERATURE	12.27	DEG C
MW-16	1Q22-MW-16	03/15/2022	12:15	Total Volume Pumped	2	GAL
MW-16	1Q22-MW-16	03/15/2022	12:15	TURBIDITY QUANTITATIVE	47.5	NTU
MW-18	1Q22-MW-18	03/15/2022	11:20	COLOR	NM	NONE
MW-18	1Q22-MW-18	03/15/2022	11:20	DISSOLVED OXYGEN	7.27	MG/L
MW-18	1Q22-MW-18	03/15/2022	11:20	FLOW RATE	120	mL/min
MW-18	1Q22-MW-18	03/15/2022	11:20	ODOR	NM	NONE
MW-18	1Q22-MW-18	03/15/2022	11:20	PH	7.19	STD UNITS
MW-18	1Q22-MW-18	03/15/2022	11:20	REDOX	105.2	MV
MW-18	1Q22-MW-18	03/15/2022	11:20	SPECIFIC CONDUCTANCE	437	UMHOS/CM
MW-18	1Q22-MW-18	03/15/2022	11:20	TEMPERATURE	14.13	DEG C
MW-18	1Q22-MW-18	03/15/2022	11:20	Total Volume Pumped	1	GAL
MW-18	1Q22-MW-18	03/15/2022	11:20	TURBIDITY QUANTITATIVE	432.6	NTU
MW-19	1Q22-MW-19	03/15/2022	10:12	COLOR	NM	NONE
MW-19	1Q22-MW-19	03/15/2022	10:12	DISSOLVED OXYGEN	8.16	MG/L
MW-19	1Q22-MW-19	03/15/2022	10:12	FLOW RATE	300	mL/min
MW-19	1Q22-MW-19	03/15/2022	10:12	ODOR	NM	NONE
MW-19	1Q22-MW-19	03/15/2022	10:12	PH	6.96	STD UNITS
MW-19	1Q22-MW-19	03/15/2022	10:12	REDOX	117.1	MV
MW-19	1Q22-MW-19	03/15/2022	10:12	SPECIFIC CONDUCTANCE	850	UMHOS/CM
MW-19	1Q22-MW-19	03/15/2022	10:12	TEMPERATURE	17.35	DEG C
MW-19	1Q22-MW-19	03/15/2022	10:12	Total Volume Pumped	2	GAL
MW-19	1Q22-MW-19	03/15/2022	10:12	TURBIDITY QUANTITATIVE	241.3	NTU
SW-04	1Q22-SW-04	03/16/2022	10:10	COLOR	NM	NONE
SW-04	1Q22-SW-04	03/16/2022	10:10	DISSOLVED OXYGEN	8.84	MG/L
SW-04	1Q22-SW-04	03/16/2022	10:10	FLOW RATE		mL/min
SW-04	1Q22-SW-04	03/16/2022	10:10	ODOR	NM	NONE
SW-04	1Q22-SW-04	03/16/2022	10:10	PH	7.20	STD UNITS
SW-04	1Q22-SW-04	03/16/2022	10:10	REDOX	150.9	MV
SW-04	1Q22-SW-04	03/16/2022	10:10	SPECIFIC CONDUCTANCE	665.24	UMHOS/CM
SW-04	1Q22-SW-04	03/16/2022	10:10	TEMPERATURE	11.18	DEG C
SW-04	1Q22-SW-04	03/16/2022	10:10	TURBIDITY QUANTITATIVE	NM	NTU

MG/L-milligrams per liter
STD UNITS-standard units
MV-millivolts
UMHOS/CM-micromhos per centimeter
DEG C-degrees Celsius
NTU-Nephelometric Turbidity Units
NM - Not Measured

Appendix B

Groundwater Sampling White Book

AECOM

ADQM Data Review

Site: DuPont Towanda/TOW

Project: GW SAMPLING 1Q22

Project Reviewer: Dyana Sagges

AECOM

Sample Summary

Field Sample ID	Laboratory Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose*
1Q22-MW-18	410-76516-1	Groundwater	N	03/15/2022	11:20	FS
1Q22-MW-16	410-76516-10	Groundwater	N	03/15/2022	12:15	FS
1Q22-SW-04	410-76516-11	Groundwater	N	03/16/2022	09:55	FS
1Q22-SW-04-D	410-76516-12	Groundwater	N	03/16/2022	09:55	DUP
1Q22-MW-08	410-76516-13	Groundwater	N	03/15/2022	13:55	FS
1Q22-TB-031622	410-76516-14	Blank Water	N	03/16/2022	09:50	TB
1Q22-EB-031622	410-76516-15	Blank Water	N	03/16/2022	09:10	EB
1Q22-MW-19	410-76516-2	Groundwater	N	03/15/2022	10:12	FS
1Q22-MW-03C	410-76516-3	Groundwater	N	03/16/2022	08:30	FS
1Q22-MW-07	410-76516-4	Groundwater	N	03/15/2022	09:05	FS
1Q22-MW-06C	410-76516-5	Groundwater	N	03/16/2022	09:28	FS
1Q22-MW-06A	410-76516-6	Groundwater	N	03/15/2022	14:50	FS
1Q22-TB-031522	410-76516-7	Blank Water	N	03/15/2022	14:45	TB
1Q22-EB-031522	410-76516-8	Blank Water	N	03/15/2022	12:00	EB
1Q22-MW-15	410-76516-9	Groundwater	N	03/15/2022	13:03	FS

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

AECOM

Analytical Protocol

Laboratory	Method	Parameters
EUROFINS LANCASTER LABORATORIES	8260D	Volatiles

AECOM

ADQM Data Review Checklist

Item	Description	Yes	No*	Not Applicable (NA)*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X					
B	Were samples received by the laboratory in agreement with the associated chain of custody?	X					
C	Was the chain of custody properly completed by the laboratory and/or field team?	X					
D	Were samples prepped/analyzed by the laboratory within method holding times?	X					
E	Were QA/QC criteria met by the laboratory (method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, duplicates/replicates, surrogates, total/dissolved differences/RPDs, sample results within calibration range)?	X					
F	Were detections in field/equipment/trip blanks at levels not requiring sample data qualification?	X					
G	Were all data usable and not R qualified?	X					
ER#	**Description**						
Other QA/QC Items to Note:							

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

AECOM

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software, Locus EIM™ database Data Verification Module (DVM), and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to "DVM" if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals "DVM"), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **"Validated By"** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Towanda **Sampling Program:** GW SAMPLING 1Q22 **Validation Options:** LABSTATS

Validation Reason The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
1Q22-MW-03C	03/16/2022	410-76516-3	trans-1,2-Dichloroethene	0.85	UG/L	MDL	0.30	1.0	J	8260D		5030C
1Q22-MW-03C	03/16/2022	410-76516-3	Acetone	4.0	UG/L	MDL	0.70	20	J	8260D		5030C
1Q22-MW-03C	03/16/2022	410-76516-3	1,1-Dichloroethene	0.34	UG/L	MDL	0.30	1.0	J	8260D		5030C
1Q22-MW-06A	03/15/2022	410-76516-6	cis-1,2 Dichloroethene	0.53	UG/L	MDL	0.30	1.0	J	8260D		5030C
1Q22-MW-06A	03/15/2022	410-76516-6	Methylene Chloride	0.57	UG/L	MDL	0.30	1.0	J	8260D		5030C
1Q22-MW-06C	03/16/2022	410-76516-5	Toluene	0.29	UG/L	MDL	0.20	1.0	J	8260D		5030C
1Q22-MW-06C	03/16/2022	410-76516-5	Methylene Chloride	0.63	UG/L	MDL	0.30	1.0	J	8260D		5030C
1Q22-MW-07	03/15/2022	410-76516-4	cis-1,2 Dichloroethene	0.30	UG/L	MDL	0.30	1.0	J	8260D		5030C
1Q22-MW-08	03/15/2022	410-76516-13	trans-1,2-Dichloroethene	14	UG/L	MDL	6.0	20	J	8260D		5030C
1Q22-MW-08	03/15/2022	410-76516-13	Benzene	10	UG/L	MDL	6.0	20	J	8260D		5030C
1Q22-MW-08	03/15/2022	410-76516-13	1,1,1-Trichloroethane	7.9	UG/L	MDL	6.0	20	J	8260D		5030C
1Q22-MW-08	03/15/2022	410-76516-13	1,1-Dichloroethene	13	UG/L	MDL	6.0	20	J	8260D		5030C
1Q22-MW-15	03/15/2022	410-76516-9	Acetone	0.71	UG/L	MDL	0.70	20	J	8260D		5030C
1Q22-MW-15	03/15/2022	410-76516-9	Trichloroethene	0.54	UG/L	MDL	0.30	1.0	J	8260D		5030C
1Q22-MW-16	03/15/2022	410-76516-10	Toluene	0.50	UG/L	MDL	0.20	1.0	J	8260D		5030C
1Q22-MW-18	03/15/2022	410-76516-1	Acetone	1.7	UG/L	MDL	0.70	20	J	8260D		5030C
1Q22-MW-19	03/15/2022	410-76516-2	Acetone	0.87	UG/L	MDL	0.70	20	J	8260D		5030C

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-76516-1
Client Project/Site: GW SAMPLING 1Q22

For:
DuPont Specialty Products USA LLC
Sabre Building, Suite 300
4051 Ogletown Road
Newark, Delaware 19713

Attn: Dyana Sagges

Vanessa M. Badman

Authorized for release by:
3/23/2022 8:39:29 AM

Vanessa Badman, Project Manager
(717)556-9762
vanessa.badman@eurofinset.com

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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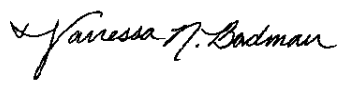

Vanessa Badman
Project Manager
3/23/2022 8:39:29 AM

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
cn	Refer to Case Narrative for further detail
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.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-76516-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-76516-1

Receipt
The samples were received on 3/17/2022 3:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7°C and 1.1°C

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 410-236447 recovered above the upper control limit for Vinyl acetate. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Detection Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Client Sample ID: 1Q22-MW-18 — Lab Sample ID: 410-76516-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J cn	20	0.70	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-19 — Lab Sample ID: 410-76516-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.87	J cn	20	0.70	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-03C — Lab Sample ID: 410-76516-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	5.1	cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.34	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	4.0	J cn	20	0.70	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	14	cn	1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.85	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
Vinyl chloride	25	cn	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-07 — Lab Sample ID: 410-76516-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.30	J cn	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-06C — Lab Sample ID: 410-76516-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.63	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
Toluene	0.29	J cn	1.0	0.20	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-06A — Lab Sample ID: 410-76516-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.53	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
Methylene Chloride	0.57	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	3.1	cn	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-TB-031522 — Lab Sample ID: 410-76516-7

No Detections.

Client Sample ID: 1Q22-EB-031522 — Lab Sample ID: 410-76516-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.5	cn	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-15 — Lab Sample ID: 410-76516-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.71	J cn	20	0.70	ug/L	1		8260D	Total/NA
Trichloroethene	0.54	J cn	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-16 — Lab Sample ID: 410-76516-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.50	J cn	1.0	0.20	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Client Sample ID: 1Q22-SW-04 — Lab Sample ID: 410-76516-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11	cn	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	5.8	cn	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-SW-04-D — Lab Sample ID: 410-76516-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10	cn	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	5.5	cn	1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: 1Q22-MW-08 — Lab Sample ID: 410-76516-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	7.9	J cn	20	6.0	ug/L	20		8260D	Total/NA
1,1-Dichloroethene	13	J cn	20	6.0	ug/L	20		8260D	Total/NA
Benzene	10	J cn	20	6.0	ug/L	20		8260D	Total/NA
trans-1,2-Dichloroethene	14	J cn	20	6.0	ug/L	20		8260D	Total/NA
Vinyl chloride	150	cn	20	4.0	ug/L	20		8260D	Total/NA
cis-1,2-Dichloroethene - DL	7000		200	60	ug/L	200		8260D	Total/NA
Trichloroethene - DL	17000		200	60	ug/L	200		8260D	Total/NA

Client Sample ID: 1Q22-TB-031622 — Lab Sample ID: 410-76516-14

No Detections.

Client Sample ID: 1Q22-EB-031622 — Lab Sample ID: 410-76516-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.5	cn	1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Client Sample ID: 1Q22-MW-18

Lab Sample ID: 410-76516-1

Date Collected: 03/15/22 11:20
Matrix: Water
Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 00:25	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 00:25	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 00:25	1
Acetone	**1.7**	**J cn**	20	0.70	ug/L			03/23/22 00:25	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 00:25	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 00:25	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 00:25	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 00:25	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 00:25	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:25	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 00:25	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 00:25	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*	*cn*	*80 - 120*		*03/23/22 00:25*	*1*
4-Bromofluorobenzene (Surr)	*96*	*cn*	*80 - 120*		*03/23/22 00:25*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*03/23/22 00:25*	*1*
Toluene-d8 (Surr)	*100*	*cn*	*80 - 120*		*03/23/22 00:25*	*1*

Client Sample ID: 1Q22-MW-19

Lab Sample ID: 410-76516-2

Date Collected: 03/15/22 10:12
Matrix: Water
Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1

Client Sample ID: 1Q22-MW-19

Lab Sample ID: 410-76516-2

Date Collected: 03/15/22 10:12

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 00:47	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 00:47	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 00:47	1
Acetone	**0.87**	**J cn**	20	0.70	ug/L			03/23/22 00:47	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 00:47	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 00:47	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 00:47	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 00:47	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 00:47	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 00:47	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 00:47	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 00:47	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*	*cn*	*80 - 120*		*03/23/22 00:47*	*1*
4-Bromofluorobenzene (Surr)	*98*	*cn*	*80 - 120*		*03/23/22 00:47*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*03/23/22 00:47*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/23/22 00:47*	*1*

Client Sample ID: 1Q22-MW-03C

Lab Sample ID: 410-76516-3

Date Collected: 03/16/22 08:30

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1

Client Sample ID: 1Q22-MW-03C

Lab Sample ID: 410-76516-3

Date Collected: 03/16/22 08:30

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
1,1-Dichloroethane	**5.1**	**cn**	1.0	0.30	ug/L			03/23/22 01:09	1
1,1-Dichloroethene	**0.34**	**J cn**	1.0	0.30	ug/L			03/23/22 01:09	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 01:09	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 01:09	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 01:09	1
Acetone	**4.0**	**J cn**	20	0.70	ug/L			03/23/22 01:09	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:09	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 01:09	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:09	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:09	1
cis-1,2-Dichloroethene	**14**	**cn**	1.0	0.30	ug/L			03/23/22 01:09	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 01:09	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:09	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 01:09	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 01:09	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 01:09	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 01:09	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 01:09	1
trans-1,2-Dichloroethene	**0.85**	**J cn**	1.0	0.30	ug/L			03/23/22 01:09	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 01:09	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:09	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 01:09	1
Vinyl chloride	**25**	**cn**	1.0	0.20	ug/L			03/23/22 01:09	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*	*cn*	*80 - 120*		*03/23/22 01:09*	*1*
4-Bromofluorobenzene (Surr)	*98*	*cn*	*80 - 120*		*03/23/22 01:09*	*1*
Dibromofluoromethane (Surr)	*102*	*cn*	*80 - 120*		*03/23/22 01:09*	*1*
Toluene-d8 (Surr)	*100*	*cn*	*80 - 120*		*03/23/22 01:09*	*1*

Client Sample ID: 1Q22-MW-07

Lab Sample ID: 410-76516-4

Date Collected: 03/15/22 09:05

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1

Client Sample ID: 1Q22-MW-07

Lab Sample ID: 410-76516-4

Date Collected: 03/15/22 09:05

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 01:31	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 01:31	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 01:31	1
Acetone	ND	cn	20	0.70	ug/L			03/23/22 01:31	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 01:31	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
cis-1,2-Dichloroethene	**0.30**	**J cn**	1.0	0.30	ug/L			03/23/22 01:31	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 01:31	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 01:31	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 01:31	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 01:31	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:31	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 01:31	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 01:31	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*	*cn*	*80 - 120*		*03/23/22 01:31*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/23/22 01:31*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*03/23/22 01:31*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/23/22 01:31*	*1*

Client Sample ID: 1Q22-MW-06C

Lab Sample ID: 410-76516-5

Date Collected: 03/16/22 09:28

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1

Client Sample ID: 1Q22-MW-06C

Lab Sample ID: 410-76516-5

Date Collected: 03/16/22 09:28

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
2-Butanone	ND	cn	10	0.50	ug/L			03/22/22 22:36	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/22/22 22:36	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/22/22 22:36	1
Acetone	ND	cn	20	0.70	ug/L			03/22/22 22:36	1
Benzene	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 22:36	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/22/22 22:36	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/22/22 22:36	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 22:36	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 22:36	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 22:36	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/22/22 22:36	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/22/22 22:36	1
Methylene Chloride	**0.63**	**J cn**	1.0	0.30	ug/L			03/22/22 22:36	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/22/22 22:36	1
Styrene	ND	cn	5.0	0.30	ug/L			03/22/22 22:36	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
Toluene	**0.29**	**J cn**	1.0	0.20	ug/L			03/22/22 22:36	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 22:36	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 22:36	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/22/22 22:36	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/22/22 22:36	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/22/22 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*	*cn*	*80 - 120*		*03/22/22 22:36*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/22/22 22:36*	*1*
Dibromofluoromethane (Surr)	*102*	*cn*	*80 - 120*		*03/22/22 22:36*	*1*
Toluene-d8 (Surr)	*100*	*cn*	*80 - 120*		*03/22/22 22:36*	*1*

Client Sample ID: 1Q22-MW-06A

Lab Sample ID: 410-76516-6

Date Collected: 03/15/22 14:50

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1

Client Sample ID: 1Q22-MW-06A

Lab Sample ID: 410-76516-6

Date Collected: 03/15/22 14:50

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 01:53	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 01:53	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 01:53	1
Acetone	ND	cn	20	0.70	ug/L			03/23/22 01:53	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 01:53	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
cis-1,2-Dichloroethene	**0.53**	**J cn**	1.0	0.30	ug/L			03/23/22 01:53	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 01:53	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 01:53	1
Methylene Chloride	**0.57**	**J cn**	1.0	0.30	ug/L			03/23/22 01:53	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 01:53	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 01:53	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 01:53	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
Trichloroethene	**3.1**	**cn**	1.0	0.30	ug/L			03/23/22 01:53	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 01:53	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 01:53	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*	*cn*	*80 - 120*		*03/23/22 01:53*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/23/22 01:53*	*1*
Dibromofluoromethane (Surr)	*100*	*cn*	*80 - 120*		*03/23/22 01:53*	*1*
Toluene-d8 (Surr)	*100*	*cn*	*80 - 120*		*03/23/22 01:53*	*1*

Client Sample ID: 1Q22-TB-031522

Lab Sample ID: 410-76516-7

Date Collected: 03/15/22 14:45

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1

Client Sample ID: 1Q22-TB-031522

Lab Sample ID: 410-76516-7

Date Collected: 03/15/22 14:45

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
2-Butanone	ND	cn	10	0.50	ug/L			03/22/22 20:24	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/22/22 20:24	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/22/22 20:24	1
Acetone	ND	cn	20	0.70	ug/L			03/22/22 20:24	1
Benzene	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/22/22 20:24	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/22/22 20:24	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/22/22 20:24	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/22/22 20:24	1
Styrene	ND	cn	5.0	0.30	ug/L			03/22/22 20:24	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
Toluene	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:24	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/22/22 20:24	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/22/22 20:24	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/22/22 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*	*cn*	*80 - 120*		*03/22/22 20:24*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/22/22 20:24*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*03/22/22 20:24*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/22/22 20:24*	*1*

Client Sample ID: 1Q22-EB-031522

Lab Sample ID: 410-76516-8

Date Collected: 03/15/22 12:00

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1

Client Sample ID: 1Q22-EB-031522

Lab Sample ID: 410-76516-8

Date Collected: 03/15/22 12:00

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND	cn	10	0.50	ug/L			03/22/22 20:46	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/22/22 20:46	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/22/22 20:46	1
Acetone	ND	cn	20	0.70	ug/L			03/22/22 20:46	1
Benzene	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/22/22 20:46	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
Chloroform	**2.5**	**cn**	1.0	0.30	ug/L			03/22/22 20:46	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/22/22 20:46	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/22/22 20:46	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/22/22 20:46	1
Styrene	ND	cn	5.0	0.30	ug/L			03/22/22 20:46	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
Toluene	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 20:46	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/22/22 20:46	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/22/22 20:46	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/22/22 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*	*cn*	*80 - 120*		*03/22/22 20:46*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/22/22 20:46*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*03/22/22 20:46*	*1*
Toluene-d8 (Surr)	*100*	*cn*	*80 - 120*		*03/22/22 20:46*	*1*

Client Sample ID: 1Q22-MW-15

Lab Sample ID: 410-76516-9

Date Collected: 03/15/22 13:03

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 02:15	1

Client Sample ID: 1Q22-MW-15

Lab Sample ID: 410-76516-9

Date Collected: 03/15/22 13:03

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 02:15	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 02:15	1
Acetone	**0.71**	**J cn**	20	0.70	ug/L			03/23/22 02:15	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 02:15	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 02:15	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 02:15	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 02:15	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 02:15	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:15	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
Trichloroethene	**0.54**	**J cn**	1.0	0.30	ug/L			03/23/22 02:15	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 02:15	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 02:15	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*	*cn*	*80 - 120*		*03/23/22 02:15*	*1*
4-Bromofluorobenzene (Surr)	*96*	*cn*	*80 - 120*		*03/23/22 02:15*	*1*
Dibromofluoromethane (Surr)	*100*	*cn*	*80 - 120*		*03/23/22 02:15*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/23/22 02:15*	*1*

Client Sample ID: 1Q22-MW-16

Lab Sample ID: 410-76516-10

Date Collected: 03/15/22 12:15

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 02:37	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 02:37	1

Client Sample ID: 1Q22-MW-16

Lab Sample ID: 410-76516-10

Date Collected: 03/15/22 12:15

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 02:37	1
Acetone	ND	cn	20	0.70	ug/L			03/23/22 02:37	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:37	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 02:37	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:37	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:37	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 02:37	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:37	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 02:37	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 02:37	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 02:37	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 02:37	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
Toluene	**0.50**	**J cn**	1.0	0.20	ug/L			03/23/22 02:37	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 02:37	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:37	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 02:37	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 02:37	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 02:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*	*cn*	*80 - 120*		*03/23/22 02:37*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/23/22 02:37*	*1*
Dibromofluoromethane (Surr)	*102*	*cn*	*80 - 120*		*03/23/22 02:37*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/23/22 02:37*	*1*

Client Sample ID: 1Q22-SW-04

Lab Sample ID: 410-76516-11

Date Collected: 03/16/22 09:55

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 02:59	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 02:59	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 02:59	1

Client Sample ID: 1Q22-SW-04

Lab Sample ID: 410-76516-11

Date Collected: 03/16/22 09:55

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	cn	20	0.70	ug/L			03/23/22 02:59	1
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 02:59	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
cis-1,2-Dichloroethene	**11**	**cn**	1.0	0.30	ug/L			03/23/22 02:59	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 02:59	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 02:59	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 02:59	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 02:59	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 02:59	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
Trichloroethene	**5.8**	**cn**	1.0	0.30	ug/L			03/23/22 02:59	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 02:59	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 02:59	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*	*cn*	*80 - 120*		*03/23/22 02:59*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/23/22 02:59*	*1*
Dibromofluoromethane (Surr)	*102*	*cn*	*80 - 120*		*03/23/22 02:59*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/23/22 02:59*	*1*

Client Sample ID: 1Q22-SW-04-D

Lab Sample ID: 410-76516-12

Date Collected: 03/16/22 09:55

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
2-Butanone	ND	cn	10	0.50	ug/L			03/23/22 03:21	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/23/22 03:21	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/23/22 03:21	1
Acetone	ND	cn	20	0.70	ug/L			03/23/22 03:21	1

Client Sample ID: 1Q22-SW-04-D

Lab Sample ID: 410-76516-12

Date Collected: 03/16/22 09:55

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/23/22 03:21	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
cis-1,2-Dichloroethene	**10**	**cn**	1.0	0.30	ug/L			03/23/22 03:21	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/23/22 03:21	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/23/22 03:21	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/23/22 03:21	1
Styrene	ND	cn	5.0	0.30	ug/L			03/23/22 03:21	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
Toluene	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/23/22 03:21	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
Trichloroethene	**5.5**	**cn**	1.0	0.30	ug/L			03/23/22 03:21	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/23/22 03:21	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/23/22 03:21	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/23/22 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*	*cn*	*80 - 120*		*03/23/22 03:21*	*1*
4-Bromofluorobenzene (Surr)	*96*	*cn*	*80 - 120*		*03/23/22 03:21*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*03/23/22 03:21*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/23/22 03:21*	*1*

Client Sample ID: 1Q22-MW-08

Lab Sample ID: 410-76516-13

Date Collected: 03/15/22 13:55

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**7.9**	**J cn**	20	6.0	ug/L			03/23/22 04:05	20
1,1,2,2-Tetrachloroethane	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
1,1,2-Trichloroethane	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
1,1-Dichloroethane	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
1,1-Dichloroethene	**13**	**J cn**	20	6.0	ug/L			03/23/22 04:05	20
1,2-Dichloroethane	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
1,2-Dichloropropane	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
2-Butanone	ND	cn	200	10	ug/L			03/23/22 04:05	20
2-Hexanone	ND	cn	200	8.0	ug/L			03/23/22 04:05	20
4-Methyl-2-pentanone	ND	cn	200	10	ug/L			03/23/22 04:05	20
Acetone	ND	cn	400	14	ug/L			03/23/22 04:05	20
Benzene	**10**	**J cn**	20	6.0	ug/L			03/23/22 04:05	20

Client Sample ID: 1Q22-MW-08

Lab Sample ID: 410-76516-13

Date Collected: 03/15/22 13:55

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND	cn	20	4.0	ug/L			03/23/22 04:05	20
Bromoform	ND	cn	80	20	ug/L			03/23/22 04:05	20
Bromomethane	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
Carbon tetrachloride	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
Chlorobenzene	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
Chloroethane	ND	cn	20	4.0	ug/L			03/23/22 04:05	20
Chloroform	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
Chloromethane	ND	cn	20	4.0	ug/L			03/23/22 04:05	20
cis-1,3-Dichloropropene	ND	cn	20	4.0	ug/L			03/23/22 04:05	20
Dibromochloromethane	ND	cn	20	4.0	ug/L			03/23/22 04:05	20
Ethylbenzene	ND	cn	20	8.0	ug/L			03/23/22 04:05	20
m&p-Xylene	ND	cn	100	40	ug/L			03/23/22 04:05	20
Methylene Chloride	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
o-Xylene	ND	cn	20	8.0	ug/L			03/23/22 04:05	20
Styrene	ND	cn	100	6.0	ug/L			03/23/22 04:05	20
Tetrachloroethene	ND	cn	20	6.0	ug/L			03/23/22 04:05	20
Toluene	ND	cn	20	4.0	ug/L			03/23/22 04:05	20
trans-1,2-Dichloroethene	**14**	**J cn**	20	6.0	ug/L			03/23/22 04:05	20
trans-1,3-Dichloropropene	ND	cn	20	4.0	ug/L			03/23/22 04:05	20
Vinyl acetate	ND	^c cn	200	40	ug/L			03/23/22 04:05	20
Vinyl chloride	**150**	**cn**	20	4.0	ug/L			03/23/22 04:05	20
Xylene (total)	ND	cn	20	8.0	ug/L			03/23/22 04:05	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*	*cn*	*80 - 120*		*03/23/22 04:05*	*20*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/23/22 04:05*	*20*
Dibromofluoromethane (Surr)	*102*	*cn*	*80 - 120*		*03/23/22 04:05*	*20*
Toluene-d8 (Surr)	*100*	*cn*	*80 - 120*		*03/23/22 04:05*	*20*

Method: 8260D - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**7000**		200	60	ug/L			03/23/22 04:27	200
Trichloroethene	**17000**		200	60	ug/L			03/23/22 04:27	200

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/23/22 04:27*	*200*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*03/23/22 04:27*	*200*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*03/23/22 04:27*	*200*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/23/22 04:27*	*200*

Client Sample ID: 1Q22-TB-031622

Lab Sample ID: 410-76516-14

Date Collected: 03/16/22 09:50

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1

Client Sample ID: 1Q22-TB-031622

Lab Sample ID: 410-76516-14

Date Collected: 03/16/22 09:50

Matrix: Water

Date Received: 03/17/22 15:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
2-Butanone	ND	cn	10	0.50	ug/L			03/22/22 21:08	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/22/22 21:08	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/22/22 21:08	1
Acetone	ND	cn	20	0.70	ug/L			03/22/22 21:08	1
Benzene	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/22/22 21:08	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/22/22 21:08	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/22/22 21:08	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/22/22 21:08	1
Styrene	ND	cn	5.0	0.30	ug/L			03/22/22 21:08	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
Toluene	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:08	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/22/22 21:08	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/22/22 21:08	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/22/22 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*	*cn*	*80 - 120*		*03/22/22 21:08*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/22/22 21:08*	*1*
Dibromofluoromethane (Surr)	*102*	*cn*	*80 - 120*		*03/22/22 21:08*	*1*
Toluene-d8 (Surr)	*100*	*cn*	*80 - 120*		*03/22/22 21:08*	*1*

Client Sample ID: 1Q22-EB-031622

Lab Sample ID: 410-76516-15

Date Collected: 03/16/22 09:10

Matrix: Water

Date Received: 03/17/22 15:26

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
1,2-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Client Sample ID: 1Q22-EB-031622
Date Collected: 03/16/22 09:10
Date Received: 03/17/22 15:26

Lab Sample ID: 410-76516-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
2-Butanone	ND	cn	10	0.50	ug/L			03/22/22 21:29	1
2-Hexanone	ND	cn	10	0.40	ug/L			03/22/22 21:29	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/22/22 21:29	1
Acetone	ND	cn	20	0.70	ug/L			03/22/22 21:29	1
Benzene	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/22/22 21:29	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
Chloroethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
Chloroform	**2.5**	**cn**	1.0	0.30	ug/L			03/22/22 21:29	1
Chloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/22/22 21:29	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/22/22 21:29	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/22/22 21:29	1
Styrene	ND	cn	5.0	0.30	ug/L			03/22/22 21:29	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
Toluene	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
trans-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/22/22 21:29	1
Vinyl acetate	ND	^c cn	10	2.0	ug/L			03/22/22 21:29	1
Vinyl chloride	ND	cn	1.0	0.20	ug/L			03/22/22 21:29	1
Xylene (total)	ND	cn	1.0	0.40	ug/L			03/22/22 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*	*cn*	*80 - 120*		*03/22/22 21:29*	*1*
4-Bromofluorobenzene (Surr)	*97*	*cn*	*80 - 120*		*03/22/22 21:29*	*1*
Dibromofluoromethane (Surr)	*101*	*cn*	*80 - 120*		*03/22/22 21:29*	*1*
Toluene-d8 (Surr)	*99*	*cn*	*80 - 120*		*03/22/22 21:29*	*1*

Surrogate Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-76516-1	1Q22-MW-18	103 cn	96 cn	101 cn	100 cn
410-76516-2	1Q22-MW-19	106 cn	98 cn	101 cn	99 cn
410-76516-3	1Q22-MW-03C	104 cn	98 cn	102 cn	100 cn
410-76516-4	1Q22-MW-07	106 cn	97 cn	101 cn	99 cn
410-76516-5	1Q22-MW-06C	106 cn	97 cn	102 cn	100 cn
410-76516-5 MS	1Q22-MW-06C	102	98	100	100
410-76516-5 MS	1Q22-MW-06C	104	98	101	99
410-76516-5 MSD	1Q22-MW-06C	106	100	100	100
410-76516-5 MSD	1Q22-MW-06C	104	99	101	100
410-76516-6	1Q22-MW-06A	105 cn	97 cn	100 cn	100 cn
410-76516-7	1Q22-TB-031522	105 cn	97 cn	101 cn	99 cn
410-76516-8	1Q22-EB-031522	104 cn	97 cn	101 cn	100 cn
410-76516-9	1Q22-MW-15	105 cn	96 cn	100 cn	99 cn
410-76516-10	1Q22-MW-16	108 cn	97 cn	102 cn	99 cn
410-76516-11	1Q22-SW-04	107 cn	97 cn	102 cn	99 cn
410-76516-12	1Q22-SW-04-D	109 cn	96 cn	101 cn	99 cn
410-76516-13	1Q22-MW-08	106 cn	97 cn	102 cn	100 cn
410-76516-13 - DL	1Q22-MW-08	103	96	102	99
410-76516-14	1Q22-TB-031622	104 cn	97 cn	102 cn	100 cn
410-76516-15	1Q22-EB-031622	106 cn	97 cn	101 cn	99 cn
LCS 410-236447/5	Lab Control Sample	104	99	102	102
LCS 410-236447/6	Lab Control Sample	102	98	99	100
MB 410-236447/9	Method Blank	103	98	100	101

Surrogate Legend

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

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-236447/9
Matrix: Water
Analysis Batch: 236447

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/22/22 20:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/22/22 20:02	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/22/22 20:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/22/22 20:02	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/22/22 20:02	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/22/22 20:02	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/22/22 20:02	1
2-Butanone	ND		10	0.50	ug/L			03/22/22 20:02	1
2-Hexanone	ND		10	0.40	ug/L			03/22/22 20:02	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/22/22 20:02	1
Acetone	ND		20	0.70	ug/L			03/22/22 20:02	1
Benzene	ND		1.0	0.30	ug/L			03/22/22 20:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/22/22 20:02	1
Bromoform	ND		4.0	1.0	ug/L			03/22/22 20:02	1
Bromomethane	ND		1.0	0.30	ug/L			03/22/22 20:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/22/22 20:02	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/22/22 20:02	1
Chloroethane	ND		1.0	0.20	ug/L			03/22/22 20:02	1
Chloroform	ND		1.0	0.30	ug/L			03/22/22 20:02	1
Chloromethane	ND		1.0	0.20	ug/L			03/22/22 20:02	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/22/22 20:02	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/22 20:02	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/22/22 20:02	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/22/22 20:02	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/22/22 20:02	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/22/22 20:02	1
o-Xylene	ND		1.0	0.40	ug/L			03/22/22 20:02	1
Styrene	ND		5.0	0.30	ug/L			03/22/22 20:02	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/22/22 20:02	1
Toluene	ND		1.0	0.20	ug/L			03/22/22 20:02	1
trans-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/22/22 20:02	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/22/22 20:02	1
Trichloroethene	ND		1.0	0.30	ug/L			03/22/22 20:02	1
Vinyl acetate	ND		10	2.0	ug/L			03/22/22 20:02	1
Vinyl chloride	ND		1.0	0.20	ug/L			03/22/22 20:02	1
Xylene (total)	ND		1.0	0.40	ug/L			03/22/22 20:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*03/22/22 20:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*03/22/22 20:02*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*03/22/22 20:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/22/22 20:02*	*1*

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

Lab Sample ID: LCS 410-236447/5
Matrix: Water
Analysis Batch: 236447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.1		ug/L		86	67 - 126
1,1,2,2-Tetrachloroethane	20.0	16.6		ug/L		83	72 - 120
1,1,2-Trichloroethane	20.0	17.8		ug/L		89	80 - 120
1,1-Dichloroethane	20.0	18.4		ug/L		92	80 - 120
1,1-Dichloroethene	20.0	18.0		ug/L		90	80 - 131
1,2-Dichloroethane	20.0	18.2		ug/L		91	73 - 124
1,2-Dichloropropane	20.0	18.8		ug/L		94	80 - 120
2-Butanone	250	289		ug/L		115	59 - 135
2-Hexanone	250	281		ug/L		112	56 - 135
4-Methyl-2-pentanone	250	278		ug/L		111	62 - 133
Acetone	250	189		ug/L		76	54 - 157
Benzene	20.0	18.3		ug/L		92	80 - 120
Bromodichloromethane	20.0	18.2		ug/L		91	71 - 120
Bromoform	20.0	19.1		ug/L		95	51 - 120
Bromomethane	20.0	12.8		ug/L		64	53 - 128
Carbon tetrachloride	20.0	17.4		ug/L		87	64 - 134
Chlorobenzene	20.0	17.7		ug/L		89	80 - 120
Chloroethane	20.0	14.7		ug/L		73	55 - 123
Chloroform	20.0	17.5		ug/L		88	80 - 120
Chloromethane	20.0	12.4		ug/L		62	56 - 121
cis-1,2-Dichloroethene	20.0	18.4		ug/L		92	80 - 125
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	75 - 120
Dibromochloromethane	20.0	17.8		ug/L		89	71 - 120
Ethylbenzene	20.0	17.3		ug/L		86	80 - 120
m&p-Xylene	40.0	35.2		ug/L		88	80 - 120
Methylene Chloride	20.0	18.4		ug/L		92	80 - 120
o-Xylene	20.0	17.1		ug/L		85	80 - 120
Styrene	20.0	17.7		ug/L		89	80 - 120
Tetrachloroethene	20.0	18.0		ug/L		90	80 - 120
Toluene	20.0	17.3		ug/L		86	80 - 120
trans-1,2-Dichloroethene	20.0	17.7		ug/L		89	80 - 126
trans-1,3-Dichloropropene	20.0	18.5		ug/L		93	67 - 120
Trichloroethene	20.0	17.5		ug/L		88	80 - 120
Vinyl chloride	20.0	12.4		ug/L		62	56 - 120
Xylene (total)	60.0	52.3		ug/L		87	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCS 410-236447/6
Matrix: Water
Analysis Batch: 236447

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl acetate	100	130		ug/L		130	63 - 145

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

Lab Sample ID: LCS 410-236447/6
Matrix: Water
Analysis Batch: 236447

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	99		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 410-76516-5 MS
Matrix: Water
Analysis Batch: 236447

Client Sample ID: 1Q22-MW-06C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	cn	20.0	18.8		ug/L		94	67 - 126
1,1,2,2-Tetrachloroethane	ND	cn	20.0	16.4		ug/L		82	72 - 120
1,1,2-Trichloroethane	ND	cn	20.0	18.2		ug/L		91	80 - 120
1,1-Dichloroethane	ND	cn	20.0	19.7		ug/L		98	80 - 120
1,1-Dichloroethene	ND	cn	20.0	20.4		ug/L		102	80 - 131
1,2-Dichloroethane	ND	cn	20.0	19.1		ug/L		95	73 - 124
1,2-Dichloropropane	ND	cn	20.0	19.7		ug/L		99	80 - 120
2-Butanone	ND	cn	250	285		ug/L		114	59 - 135
2-Hexanone	ND	cn	250	280		ug/L		112	56 - 135
4-Methyl-2-pentanone	ND	cn	250	279		ug/L		112	62 - 133
Acetone	ND	cn	250	206		ug/L		83	54 - 157
Benzene	ND	cn	20.0	19.5		ug/L		98	80 - 120
Bromodichloromethane	ND	cn	20.0	18.9		ug/L		94	71 - 120
Bromoform	ND	cn	20.0	19.3		ug/L		96	51 - 120
Bromomethane	ND	cn	20.0	14.3		ug/L		72	53 - 128
Carbon tetrachloride	ND	cn	20.0	19.5		ug/L		98	64 - 134
Chlorobenzene	ND	cn	20.0	18.7		ug/L		94	80 - 120
Chloroethane	ND	cn	20.0	15.9		ug/L		79	55 - 123
Chloroform	ND	cn	20.0	18.4		ug/L		92	80 - 120
Chloromethane	ND	cn	20.0	14.5		ug/L		72	56 - 121
cis-1,2-Dichloroethene	ND	cn	20.0	19.4		ug/L		97	80 - 125
cis-1,3-Dichloropropene	ND	cn	20.0	18.9		ug/L		94	75 - 120
Dibromochloromethane	ND	cn	20.0	18.3		ug/L		91	71 - 120
Ethylbenzene	ND	cn	20.0	18.6		ug/L		93	80 - 120
m&p-Xylene	ND	cn	40.0	37.6		ug/L		94	80 - 120
Methylene Chloride	0.63	J cn	20.0	20.0		ug/L		97	80 - 120
o-Xylene	ND	cn	20.0	18.4		ug/L		92	80 - 120
Styrene	ND	cn	20.0	18.4		ug/L		92	80 - 120
Tetrachloroethene	ND	cn	20.0	19.6		ug/L		98	80 - 120
Toluene	0.29	J cn	20.0	18.7		ug/L		92	80 - 120
trans-1,2-Dichloroethene	ND	cn	20.0	19.2		ug/L		96	80 - 126
trans-1,3-Dichloropropene	ND	cn	20.0	18.7		ug/L		94	67 - 120
Trichloroethene	ND	cn	20.0	18.8		ug/L		94	80 - 120
Vinyl chloride	ND	cn	20.0	14.2		ug/L		71	56 - 120
Xylene (total)	ND	cn	60.0	56.0		ug/L		93	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120

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

Lab Sample ID: 410-76516-5 MS
Matrix: Water
Analysis Batch: 236447

Client Sample ID: 1Q22-MW-06C
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 410-76516-5 MS
Matrix: Water
Analysis Batch: 236447

Client Sample ID: 1Q22-MW-06C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl acetate	ND	^c cn	100	135		ug/L		135	63 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 410-76516-5 MSD
Matrix: Water
Analysis Batch: 236447

Client Sample ID: 1Q22-MW-06C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	cn	20.0	19.1		ug/L		96	67 - 126	2	30
1,1,2,2-Tetrachloroethane	ND	cn	20.0	16.6		ug/L		83	72 - 120	1	30
1,1,2-Trichloroethane	ND	cn	20.0	18.0		ug/L		90	80 - 120	1	30
1,1-Dichloroethane	ND	cn	20.0	19.7		ug/L		98	80 - 120	0	30
1,1-Dichloroethene	ND	cn	20.0	20.5		ug/L		103	80 - 131	0	30
1,2-Dichloroethane	ND	cn	20.0	18.6		ug/L		93	73 - 124	2	30
1,2-Dichloropropane	ND	cn	20.0	19.6		ug/L		98	80 - 120	1	30
2-Butanone	ND	cn	250	280		ug/L		112	59 - 135	2	30
2-Hexanone	ND	cn	250	279		ug/L		112	56 - 135	0	30
4-Methyl-2-pentanone	ND	cn	250	276		ug/L		110	62 - 133	1	30
Acetone	ND	cn	250	202		ug/L		81	54 - 157	2	30
Benzene	ND	cn	20.0	19.5		ug/L		97	80 - 120	0	30
Bromodichloromethane	ND	cn	20.0	19.0		ug/L		95	71 - 120	1	30
Bromoform	ND	cn	20.0	19.2		ug/L		96	51 - 120	0	30
Bromomethane	ND	cn	20.0	14.0		ug/L		70	53 - 128	2	30
Carbon tetrachloride	ND	cn	20.0	19.7		ug/L		98	64 - 134	1	30
Chlorobenzene	ND	cn	20.0	18.8		ug/L		94	80 - 120	1	30
Chloroethane	ND	cn	20.0	15.9		ug/L		80	55 - 123	0	30
Chloroform	ND	cn	20.0	18.7		ug/L		93	80 - 120	1	30
Chloromethane	ND	cn	20.0	13.7		ug/L		68	56 - 121	6	30
cis-1,2-Dichloroethene	ND	cn	20.0	19.7		ug/L		99	80 - 125	1	30
cis-1,3-Dichloropropene	ND	cn	20.0	19.1		ug/L		95	75 - 120	1	30
Dibromochloromethane	ND	cn	20.0	18.3		ug/L		92	71 - 120	0	30
Ethylbenzene	ND	cn	20.0	18.5		ug/L		93	80 - 120	0	30
m&p-Xylene	ND	cn	40.0	37.7		ug/L		94	80 - 120	0	30
Methylene Chloride	0.63	J cn	20.0	19.9		ug/L		96	80 - 120	1	30

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

Lab Sample ID: 410-76516-5 MSD
Matrix: Water
Analysis Batch: 236447

Client Sample ID: 1Q22-MW-06C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	ND	cn	20.0	18.1		ug/L		91	80 - 120	2	30
Styrene	ND	cn	20.0	18.6		ug/L		93	80 - 120	1	30
Tetrachloroethene	ND	cn	20.0	19.9		ug/L		99	80 - 120	1	30
Toluene	0.29	J cn	20.0	19.0		ug/L		94	80 - 120	2	30
trans-1,2-Dichloroethene	ND	cn	20.0	19.1		ug/L		96	80 - 126	1	30
trans-1,3-Dichloropropene	ND	cn	20.0	18.9		ug/L		94	67 - 120	1	30
Trichloroethene	ND	cn	20.0	19.5		ug/L		97	80 - 120	3	30
Vinyl chloride	ND	cn	20.0	14.0		ug/L		70	56 - 120	1	30
Xylene (total)	ND	cn	60.0	55.8		ug/L		93	80 - 120	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 410-76516-5 MSD
Matrix: Water
Analysis Batch: 236447

Client Sample ID: 1Q22-MW-06C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vinyl acetate	ND	^c cn	100	133		ug/L		133	63 - 145	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

GC/MS VOA

Analysis Batch: 236447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-76516-1	1Q22-MW-18	Total/NA	Water	8260D	
410-76516-2	1Q22-MW-19	Total/NA	Water	8260D	
410-76516-3	1Q22-MW-03C	Total/NA	Water	8260D	
410-76516-4	1Q22-MW-07	Total/NA	Water	8260D	
410-76516-5	1Q22-MW-06C	Total/NA	Water	8260D	
410-76516-6	1Q22-MW-06A	Total/NA	Water	8260D	
410-76516-7	1Q22-TB-031522	Total/NA	Water	8260D	
410-76516-8	1Q22-EB-031522	Total/NA	Water	8260D	
410-76516-9	1Q22-MW-15	Total/NA	Water	8260D	
410-76516-10	1Q22-MW-16	Total/NA	Water	8260D	
410-76516-11	1Q22-SW-04	Total/NA	Water	8260D	
410-76516-12	1Q22-SW-04-D	Total/NA	Water	8260D	
410-76516-13	1Q22-MW-08	Total/NA	Water	8260D	
410-76516-13 - DL	1Q22-MW-08	Total/NA	Water	8260D	
410-76516-14	1Q22-TB-031622	Total/NA	Water	8260D	
410-76516-15	1Q22-EB-031622	Total/NA	Water	8260D	
MB 410-236447/9	Method Blank	Total/NA	Water	8260D	
LCS 410-236447/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-236447/6	Lab Control Sample	Total/NA	Water	8260D	
410-76516-5 MS	1Q22-MW-06C	Total/NA	Water	8260D	
410-76516-5 MS	1Q22-MW-06C	Total/NA	Water	8260D	
410-76516-5 MSD	1Q22-MW-06C	Total/NA	Water	8260D	
410-76516-5 MSD	1Q22-MW-06C	Total/NA	Water	8260D	

Client Sample ID: 1Q22-MW-18 — **Lab Sample ID: 410-76516-1**
Date Collected: 03/15/22 11:20 — **Matrix: Water**
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 00:25	K4WN	ELLE

Client Sample ID: 1Q22-MW-19 — **Lab Sample ID: 410-76516-2**
Date Collected: 03/15/22 10:12 — **Matrix: Water**
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 00:47	K4WN	ELLE

Client Sample ID: 1Q22-MW-03C — **Lab Sample ID: 410-76516-3**
Date Collected: 03/16/22 08:30 — **Matrix: Water**
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 01:09	K4WN	ELLE

Client Sample ID: 1Q22-MW-07 — **Lab Sample ID: 410-76516-4**
Date Collected: 03/15/22 09:05 — **Matrix: Water**
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 01:31	K4WN	ELLE

Client Sample ID: 1Q22-MW-06C — **Lab Sample ID: 410-76516-5**
Date Collected: 03/16/22 09:28 — **Matrix: Water**
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/22/22 22:36	K4WN	ELLE

Client Sample ID: 1Q22-MW-06A — **Lab Sample ID: 410-76516-6**
Date Collected: 03/15/22 14:50 — **Matrix: Water**
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 01:53	K4WN	ELLE

Client Sample ID: 1Q22-TB-031522 — **Lab Sample ID: 410-76516-7**
Date Collected: 03/15/22 14:45 — **Matrix: Water**
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/22/22 20:24	K4WN	ELLE

Lab Chronicle

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Client Sample ID: 1Q22-EB-031522
Lab Sample ID: 410-76516-8
Date Collected: 03/15/22 12:00
Matrix: Water
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/22/22 20:46	K4WN	ELLE

Client Sample ID: 1Q22-MW-15
Lab Sample ID: 410-76516-9
Date Collected: 03/15/22 13:03
Matrix: Water
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 02:15	K4WN	ELLE

Client Sample ID: 1Q22-MW-16
Lab Sample ID: 410-76516-10
Date Collected: 03/15/22 12:15
Matrix: Water
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 02:37	K4WN	ELLE

Client Sample ID: 1Q22-SW-04
Lab Sample ID: 410-76516-11
Date Collected: 03/16/22 09:55
Matrix: Water
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 02:59	K4WN	ELLE

Client Sample ID: 1Q22-SW-04-D
Lab Sample ID: 410-76516-12
Date Collected: 03/16/22 09:55
Matrix: Water
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/23/22 03:21	K4WN	ELLE

Client Sample ID: 1Q22-MW-08
Lab Sample ID: 410-76516-13
Date Collected: 03/15/22 13:55
Matrix: Water
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	236447	03/23/22 04:05	K4WN	ELLE
Total/NA	Analysis	8260D	DL	200	236447	03/23/22 04:27	K4WN	ELLE

Client Sample ID: 1Q22-TB-031622
Lab Sample ID: 410-76516-14
Date Collected: 03/16/22 09:50
Matrix: Water
Date Received: 03/17/22 15:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/22/22 21:08	K4WN	ELLE

Lab Chronicle

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Client Sample ID: 1Q22-EB-031622

Date Collected: 03/16/22 09:10
Date Received: 03/17/22 15:26

Lab Sample ID: 410-76516-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	236447	03/22/22 21:29	K4WN	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: DuPont Specialty Products USA LLC
Job ID: 410-76516-1
Project/Site: GW SAMPLING 1Q22

Laboratory: Eurofins Lancaster Laboratories Env, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-23

Method Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW SAMPLING 1Q22

Job ID: 410-76516-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-76516-1	1Q22-MW-18	Water	03/15/22 11:20	03/17/22 15:26
410-76516-2	1Q22-MW-19	Water	03/15/22 10:12	03/17/22 15:26
410-76516-3	1Q22-MW-03C	Water	03/16/22 08:30	03/17/22 15:26
410-76516-4	1Q22-MW-07	Water	03/15/22 09:05	03/17/22 15:26
410-76516-5	1Q22-MW-06C	Water	03/16/22 09:28	03/17/22 15:26
410-76516-6	1Q22-MW-06A	Water	03/15/22 14:50	03/17/22 15:26
410-76516-7	1Q22-TB-031522	Water	03/15/22 14:45	03/17/22 15:26
410-76516-8	1Q22-EB-031522	Water	03/15/22 12:00	03/17/22 15:26
410-76516-9	1Q22-MW-15	Water	03/15/22 13:03	03/17/22 15:26
410-76516-10	1Q22-MW-16	Water	03/15/22 12:15	03/17/22 15:26
410-76516-11	1Q22-SW-04	Water	03/16/22 09:55	03/17/22 15:26
410-76516-12	1Q22-SW-04-D	Water	03/16/22 09:55	03/17/22 15:26
410-76516-13	1Q22-MW-08	Water	03/15/22 13:55	03/17/22 15:26
410-76516-14	1Q22-TB-031622	Water	03/16/22 09:50	03/17/22 15:26
410-76516-15	1Q22-EB-031622	Water	03/16/22 09:10	03/17/22 15:26

Eurofi
2425 New
Lancaster
Phone (7

410-76516 Chain of Custody

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Natalie Delase	Lab PM: Badman, Vanessa	Carrier Tracking No(s):	COC No: 410-51210-14334 1
Client Contact: Dyana Sagges	Phone: 443-945-2849	E-Mail: vanessa badman@eurofinset com	State of Origin:	Page: Page 1 of 1
Company: DuPont Specialty Products USA LLC	PWSID:	Analysis Requested		Job #:
Address: Sabre Building, Suite 300 4051 Ogletown Road	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Newark	TAT Requested (days): Standard			
State, Zip: DE, 19713	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4300000873			Other:
Email: dyana.sagges@aecom.com	WO #: 60593284 19040			
Project Name: GW SAMPLING 1Q22	Project #: 41004077			
Site: TOW	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - (MOD) Towanda GW VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:			A		
~~1Q22-MW-17~~ Dry ND 03/16/2022				Water	N	X		
1Q22-MW-18	03/15/2022	1120	G	Water	N	X		
1Q22-MW-19	03/15/2022	1012	G	Water	N	X		
1Q22-MW-03C	03/16/2022	0830	G	Water	N	X	3	
1Q22-MW-07	03/15/2022	0905	G	Water	N	X	3	
1Q22-MW-06C	03/16/2022	0928	G	Water	N	X	3	
1Q22-MW-06C	03/16/2022	0928	G	Water	N Y	X	3	
1Q22-MW-06C	03/16/2022	0928	G	Water	N Y	X	3	
1Q22-MW-06A	03/15/2022	1450	G	Water	N	X	3	
1Q22-TB-03 15 22	03/15/2022	1445	G	Water	N	X	2	
1Q22-EB-03 15 22	03/15/2022	1200	G	Water	N	X	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by		Date		Time		Method of Shipment	
Relinquished by		Date/Time: 03-05-22 1242	Company	Received by		Date/Time	Company
Relinquished by		Date/Time: 03/16/2022 1125	Company	Received by		Date/Time	Company
Relinquished by		Date/Time	Company	Received by		Date/Time: 3-17-22 1526	Company ELLE

Custody Seals Intact: Δ Yes Δ No FAM | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.7 - 1.1

Ver 01/16/2019

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

eurofins

Client Information	Sampler: Natale DePage	Lab PM: Badman, Vanessa	Carrier Tracking No(s):	COC No: 410-51210-14334.2
Client Contact: Dyana Sagges	Phone: 443-9415-2849	E-Mail: vanessa.badman@eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: DuPont Specialty Products USA LLC	PWSID:	Analysis Requested		Job #:
Address: Sabre Building, Suite 300 4051 Ogletown Road	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Newark	TAT Requested (days): Standard			
State, Zip: DE, 19713	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 4300000873			Other:
Email: dyana.sagges@aecom.com	WO #: 60593284.19040			
Project Name: GW SAMPLING 1Q22	Project #: 41004077			
Site: TOW	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260D - (MOD) Towanda GW VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	A	X	
1Q22-MW-15	03/15/2022	1303	G	Water	N	X	3	
1Q22-MW-16	03/15/2022	1215	G	Water	N	X	3	
1Q22-SW-04	03/16/2022	0955	G	Water	N	X	3	
1Q22-SW-04-D	03/16/2022	0955	G	Water	N	X	3	
1Q22-MW-08	03/15/2022	1355	G	Water	N	X	3	
1Q22-TB-03 |0 22	03/16/2022	0950	G	Water	N	X	3	
1Q22-EB-03 |0 22	03/16/2022	0910	G	Water	N	X	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by: Kara L. Hunt	Date/Time: 3-9-22 12:13	Company: ELLE	Received by:	Date/Time:	Company
Relinquished by: Natale DePage	Date/Time: 03/16/2022 1125	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3-17-22 1526	Company: ELLE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.7 - 1.1

Ver: 01/16/2019

Appendix C

Historical Groundwater VOC Results by Well

Appendix C
Historical Groundwater VOC Results
MW-03C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-03C 05/01/1995	MW-03C 11/14/1995	MW-03C 04/23/1996	MW-03C 11/06/1996	MW-03C 05/13/1997	MW-03C 11/18/1997	MW-03C 06/09/1998	MW-03C 12/02/1998	MW-03C 05/25/1999	MW-03C 11/10/1999	MW-03C 05/09/2000
1,1,1-Trichloroethane	UG/L	200	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<7	<7	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<10	<6	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	900	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<3	<3	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	3	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<2	<2	NA	NA	NA	NA	NA	NA	<10	<10	<10
Vinyl Chloride	UG/L	2	17	16	15	9	22	15	19	12	27	25	25
Xylenes	UG/L	10000	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-03C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-03C 11/08/2000	MW-03C 05/09/2001	MW-03C 11/07/2001	MW-03C 05/14/2002	MW-03C 11/13/2002	MW-03C 05/13/2003	MW-03C 11/19/2003	MW-03C 05/17/2004	MW-03C 11/09/2004	MW-03C 05/18/2005	MW-03C 11/08/2005
1,1,1-Trichloroethane	UG/L	200	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	5	<5	<5	6	6	6	6
1,1-Dichloroethene	UG/L	7	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20	<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	6	<5 [U]	8	7	9	6	<5	13	12	13	12
cis-1,3-Dichloropropene	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	37	24	38	27	40	24	17	32	31	42	31
Xylenes	UG/L	10000	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-03C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-03C 05/18/2006	MW-03C 01/10/2007	MW-03C 05/15/2007	MW-03C 11/06/2007	MW-03C 05/20/2008	MW-03C 11/18/2008	MW-03C 05/19/2009	MW-03C 11/03/2009	MW-03C 05/17/2010	MW-03C 12/06/2010	MW-03C 04/18/2011
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
1,1-Dichloroethane	UG/L		6	6	7	6	6	5	5	6	6	6	6
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<3	<3	<3
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<20	<20	<6	<6	<6
Benzene	UG/L	5	<5	<5	<5	<5	8	<5	<5	<5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
cis-1,2 Dichloroethene	UG/L	70	13	14	15	14	14	14	15	15	15	14	14
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<5	<5	<0.7	<0.7	2 J
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<2	<2	<2
Vinyl Chloride	UG/L	2	31	38	36	42	33	31	35	37	41	34	43
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-03C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-03C 11/15/2011	MW-03C 05/16/2012	MW-03C 11/05/2012	MW-03C 04/24/2013	MW-03C 11/12/2013	MW-03C 04/29/2014	MW-03C 10/27/2014	MW-03C 04/21/2015	MW-03C 11/11/2015	MW-03C 04/11/2017	MW-03C 05/15/2018
1,1,1-Trichloroethane	UG/L	200	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	UG/L		5	6	7	6	6	6	5	6	6	5	6
1,1-Dichloroethene	UG/L	7	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<0.5	<0.5	0.8 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	UG/L	70	15	16	20	14	16	16	13	16	14	13	15
cis-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	UG/L	700	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Chloride	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	UG/L	1000	<0.7	<0.7	<0.7	<0.7	<0.7	0.7 J	<0.5	<0.5	<0.5	<0.5	0.9 J
trans-1,2-Dichloroethene	UG/L	100	<0.8	0.9 J	1 J	1 J	0.9 J	1	0.9 J	1	1	0.8 J	0.9 J
trans-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	UG/L		<2	<2	<2	<2	<2	<2	<2 UJ	<2	<2	<2	<2
Vinyl Chloride	UG/L	2	36	35	44	27	37	37	32	39	32	25	33
Xylenes	UG/L	10000	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-03C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-03C 07/23/2019	MW-03C 10/06/2020	MW-03C 03/16/2022
1,1,1-Trichloroethane	UG/L	200	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		6	5.8	5.1
1,1-Dichloroethene	UG/L	7	0.4 J	0.44 J	0.34 J
1,2-Dichloroethane	UG/L	5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<0.30	<0.40
Acetone	UG/L		2 B	<0.70	4.0 J
Benzene	UG/L	5	<0.2	<0.20	<0.30
Bromodichloromethane	UG/L		<0.2	<0.20	<0.20
Bromoform	UG/L		<2	<1.0	<1.0
Carbon Disulfide	UG/L		<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<0.4	<0.20	<0.20
Chloroform	UG/L		<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	14	15	14
cis-1,3-Dichloropropene	UG/L		<0.2	<0.20	<0.20
Ethane	UG/L		NA	NA	NA
Ethene	UG/L		NA	NA	NA
Ethyl Chloride	UG/L		<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	<1.0	<2.0
Methane	UG/L		NA	NA	NA
Methyl Bromide	UG/L		<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	0.4 B	<0.30	<0.30
ortho-Xylene	UG/L		NA	<0.40	<0.40
Styrene	UG/L	100	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.2	<0.20	<0.20
trans-1,2-Dichloroethene	UG/L	100	1	1.1 J	0.85 J
trans-1,3-Dichloropropene	UG/L		<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<0.2	<0.20	<0.30
Vinyl Acetate	UG/L		<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	27	29	25
Xylenes	UG/L	10000	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06A
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06A 04/26/1995	MW-06A 04/27/1995	MW-06A 04/28/1995	MW-06A DUP 05/03/1995	MW-06A 05/03/1995	MW-06A 05/16/1995	MW-06A 08/17/1995	MW-06A 10/09/1995	MW-06A 10/17/1995	MW-06A 10/24/1995	MW-06A 10/30/1995
1,1,1-Trichloroethane	UG/L	200	<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
1,1,2,2-Tetrachloroethane	UG/L		<500	<500	<20	<500	<500	<20	<4000	<2000	<2000	<2000	<2000
1,1,2-Trichloroethane	UG/L	5	<1000	<1000	<40	<1000	<1000	<40	<4000	<2000	<2000	<2000	<2000
1,1-Dichloroethane	UG/L		<1000	<1000	<40	<1000	<1000	<40	<4000	<2000	<2000	<2000	<2000
1,1-Dichloroethene	UG/L	7	<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
1,2-Dichloroethane	UG/L	5	<1000	<1000	<40	<1000	<1000	<40	<4000	<2000	<2000	<2000	<2000
1,2-Dichloropropane	UG/L	5	<1000	<1000	<40	<1000	<1000	<40	<2000	<1000	<1000	<1000	<1000
2-Hexanone	UG/L		<3500	<3500	<140	<3500	<3500	<140	<14000	<7000	<7000	<7000	<7000
Acetone	UG/L		16000	7100	3900	<5000	<5000	7100	<12000	<6000	<6000	<6000	8100
Benzene	UG/L	5	<500	<500	<20	<500	<500	27	<2000	<1000	<1000	<1000	<1000
Bromodichloromethane	UG/L		<1000	<1000	<40	<1000	<1000	<40	<2000	<1000	<1000	<1000	<1000
Bromoform	UG/L		<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
Carbon Disulfide	UG/L		<1500	<1500	<60	<1500	<1500	<60	<6000	<3000	<3000	<3000	<3000
Carbon Tetrachloride	UG/L	5	<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
Chlorobenzene	UG/L	100	<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
Chlorodibromomethane	UG/L		<1000	<1000	<40	<1000	<1000	<40	<4000	<2000	<2000	<2000	<2000
Chloroform	UG/L		<500	<500	<20	<500	<500	47	<2000	<1000	<1000	<1000	<1000
cis-1,2 Dichloroethene	UG/L	70	<1000	<1000	<40	<1000	<1000	<40	<4000	<2000	<2000	<2000	<2000
cis-1,3-Dichloropropene	UG/L		<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<1500	<1500	<60	<1500	<1500	<60	<6000	<3000	<3000	<3000	<3000
Ethylbenzene	UG/L	700	<500	<500	<20	<500	<500	<20	<4000	<2000	<2000	<2000	<2000
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1500	<1500	<60	<1500	<1500	<60	<6000	<3000	<3000	<3000	<3000
Methyl Chloride	UG/L		<1500	<1500	<60	<1500	<1500	<60	<6000	<3000	<3000	<3000	<3000
Methyl Ethyl Ketone	UG/L		<1500	<1500	<60	<1500	<1500	160	<6000	<3000	<3000	<3000	<3000
Methyl Isobutyl Ketone	UG/L		<2500	<2500	<100	<2500	<2500	<100	<10000	<5000	<5000	<5000	<5000
Methylene Chloride	UG/L	5	2300000	810000	400000	380000	350000	950000	2000000	1200000	1400000	220000	1200000
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
Tetrachloroethene	UG/L	5	<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
Toluene	UG/L	1000	<1000	<1000	88	<1000	<1000	150	<4000	<2000	<2000	<2000	<2000
trans-1,2-Dichloroethene	UG/L	100	<1000	<1000	<40	<1000	<1000	<40	<4000	<2000	<2000	<2000	<2000
trans-1,3-Dichloropropene	UG/L		<500	<500	<20	<500	<500	<20	<2000	<1000	<1000	<1000	<1000
Trichloroethene	UG/L	5	<500	<500	<20	1300	<500	<20	<2000	<1000	<1000	<1000	<1000
Vinyl Acetate	UG/L		<1000	<1000	<40	<1000	<1000	<40	NA	NA	NA	NA	NA
Vinyl Chloride	UG/L	2	<1000	<1000	<40	<1000	<1000	<40	<4000	<2000	<2000	<2000	<2000
Xylenes	UG/L	10000	<500	<500	<20	<500	<500	26	<2000	<1000	<1000	<1000	<1000

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
specified reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06A
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06A	MW-06A	MW-06A DUP	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A DUP	MW-06A	MW-06A	MW-06A
			11/06/1995	11/15/1995	11/16/1995	11/16/1995	11/20/1995	04/25/1996	04/25/1996	11/08/1996	11/08/1996	05/15/1997	11/20/1997
1,1,1-Trichloroethane	UG/L	200	<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
1,1,2,2-Tetrachloroethane	UG/L		<2000	<20	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
1,1,2-Trichloroethane	UG/L	5	<2000	<20	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
1,1-Dichloroethane	UG/L		<2000	<20	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
1,1-Dichloroethene	UG/L	7	<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
1,2-Dichloroethane	UG/L	5	<2000	<20	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
1,2-Dichloropropane	UG/L	5	<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
2-Hexanone	UG/L		<7000	<70	<7	<7	<7000	<5000	<5000	<5000	<5000	<20000	<5000
Acetone	UG/L		<6000	2000	27	33	<6000	13000	12000	<10000	<10000	<40000	<10000
Benzene	UG/L	5	<1000	26	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Bromodichloromethane	UG/L		<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Bromoform	UG/L		<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Carbon Disulfide	UG/L		<3000	<30	<3	<3	<3000	<2500	<2500	<2500	<2500	<10000	<2500
Carbon Tetrachloride	UG/L	5	<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Chlorobenzene	UG/L	100	<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Chlorodibromomethane	UG/L		<2000	<20	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
Chloroform	UG/L		<1000	22	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
cis-1,2 Dichloroethene	UG/L	70	<2000	<20	2	4	<2000	<2500	<2500	<2500	<2500	<10000	<2500
cis-1,3-Dichloropropene	UG/L		<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<3000	<30	<3	<3	<3000	<2500	<2500	<2500	<2500	<10000	<2500
Ethylbenzene	UG/L	700	<2000	<20	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<3000	<30	<3	<3	<3000	<2500	<2500	<2500	<2500	<10000	<2500
Methyl Chloride	UG/L		<3000	<30	<3	<3	<3000	<2500	<2500	<2500	<2500	<10000	<2500
Methyl Ethyl Ketone	UG/L		<3000	<30	<3	<3	<3000	<5000	<5000	<5000	<5000	<20000	<5000
Methyl Isobutyl Ketone	UG/L		<5000	<50	<5	<5	<5000	<5000	<5000	<5000	<5000	<20000	<5000
Methylene Chloride	UG/L	5	1500000	530000	5100	5400	950000	1900000	2200000	550000	540000	2000000	1300000
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Tetrachloroethene	UG/L	5	<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Toluene	UG/L	1000	<2000	130	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
trans-1,2-Dichloroethene	UG/L	100	<2000	26	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
trans-1,3-Dichloropropene	UG/L		<1000	<10	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Trichloroethene	UG/L	5	<1000	<10	9	54	<1000	<2500	<2500	<2500	<2500	<10000	<2500
Vinyl Acetate	UG/L		NA	NA	<2	<2	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	UG/L	2	<2000	<20	<2	<2	<2000	<2500	<2500	<2500	<2500	<10000	<2500
Xylenes	UG/L	10000	<1000	16	<1	<1	<1000	<2500	<2500	<2500	<2500	<10000	<2500

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
specified reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06A
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06A 06/11/1998	MW-06A 12/03/1998	MW-06A 05/26/1999	MW-06A 11/11/1999	MW-06A 05/10/2000	MW-06A 11/08/2000	MW-06A 05/10/2001	MW-06A 11/07/2001	MW-06A 05/14/2002	MW-06A 11/13/2002	MW-06A 05/14/2003	MW-06A 11/19/2003
1,1,1-Trichloroethane	UG/L	200	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,1,2-Trichloroethane	UG/L	5	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,1-Dichloroethane	UG/L		<25	9	<1000	<25	7	<1300	5	7	<5 [U]	<5 [U]	<5	<5
1,1-Dichloroethene	UG/L	7	<25	7	<1000	<25	8	<1300	9	7	<5 [U]	<5 [U]	<5	<5
1,2-Dichloroethane	UG/L	5	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,2-Dichloropropane	UG/L	5	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
2-Hexanone	UG/L		<50	<10	<2000	<50	<10	<2500	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10
Acetone	UG/L		1300	2000	<4000	1300	990	<5000	530	690	120	160	110	<20
Benzene	UG/L	5	30	22	<1000	25	26	<1300	20	18	8	11	10	<5
Bromodichloromethane	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Bromoform	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Carbon Disulfide	UG/L		<25	<5	<1000	<25	<5	<1300	8	<5 [U]	<5 [U]	<5 [U]	<5	<5
Carbon Tetrachloride	UG/L	5	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Chlorobenzene	UG/L	100	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Chlorodibromomethane	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Chloroform	UG/L		26	<5	<1000	<25	9	<1300	10	5	<5 [U]	<5 [U]	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<25	9	<1000	<25	7	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
cis-1,3-Dichloropropene	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Ethylbenzene	UG/L	700	<25	14	<1000	<25	17	<1300	14	14	<5 [U]	8	8	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Methyl Chloride	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Methyl Ethyl Ketone	UG/L		53	35	<2000	86	40	<2500	22	24	<10 [U]	<10 [U]	<10	<10
Methyl Isobutyl Ketone	UG/L		<50	<10	<2000	<50	<10	<2500	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10
Methylene Chloride	UG/L	5	490000	54000	140000	85000	74000	220000	130000	30000	13000	19000	3900	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Tetrachloroethene	UG/L	5	<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Toluene	UG/L	1000	210	110	<1000	120	150	<1300	120	120	45	75	62	19
trans-1,2-Dichloroethene	UG/L	100	38	28	<1000	26	27	<1300	21	18	6	10	10	<5
trans-1,3-Dichloropropene	UG/L		<25	<5	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Trichloroethene	UG/L	5	42	6	<1000	<25	<5	<1300	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Vinyl Acetate	UG/L		NA	NA	<2000	<50	<10	<2500	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10
Vinyl Chloride	UG/L	2	<25	8	<1000	<25	13	<1300	14	16	<5	8	8	6
Xylenes	UG/L	10000	28	17	<1000	<25	21	<1300	17	18	6	10	10	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
specified reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06A
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A	MW-06A
			05/19/2004	11/09/2004	05/18/2005	11/08/2005	05/18/2006	01/10/2007	05/15/2007	11/06/2007	05/20/2008	11/18/2008	05/19/2009
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	6	<5	5	<5	<5	<5	<5	<5	9	<5	<5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	20	<5	8	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	6	<5	7	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
specified reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06A
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06A 11/03/2009	MW-06A 05/17/2010	MW-06A 12/06/2010	MW-06A 04/18/2011	MW-06A 11/15/2011	MW-06A 05/16/2012	MW-06A 11/05/2012	MW-06A 04/24/2013	MW-06A 11/12/2013	MW-06A 04/29/2014	MW-06A 10/27/2014	MW-06A 04/21/2015
1,1,1-Trichloroethane	UG/L	200	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	UG/L	5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
1,1-Dichloroethane	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
1,1-Dichloroethene	UG/L	7	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
1,2-Dichloroethane	UG/L	5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
1,2-Dichloropropane	UG/L	5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
2-Hexanone	UG/L		<10	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<20	<6	<6	<6	<6	<6	<6	<6	<6	16 B	<6	<6
Benzene	UG/L	5	<5	0.8 J	0.6 J	<0.5	<0.5	<0.5	0.8 J	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Bromoform	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Carbon Disulfide	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Chlorobenzene	UG/L	100	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
Chlorodibromomethane	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Chloroform	UG/L		<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	UG/L	70	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Ethylbenzene	UG/L	700	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Methyl Chloride	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	UG/L		<10	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
Toluene	UG/L	1000	<5	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	UG/L	100	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	UG/L		<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Trichloroethene	UG/L	5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5
Vinyl Acetate	UG/L		<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2 UJ	<2
Vinyl Chloride	UG/L	2	<5	2 J	1 J	1 J	<1	1 J	1 J	<1	<1	0.6 J	<0.5	<0.5
Xylenes	UG/L	10000	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
specified reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06A
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06A 11/11/2015	MW-06A 04/11/2017	MW-06A 05/15/2018	MW-06A 07/23/2019	MW-06A 10/07/2020	MW-06A 03/15/2022
1,1,1-Trichloroethane	UG/L	200	<0.5	<0.5	<0.5	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethene	UG/L	7	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,2-Dichloroethane	UG/L	5	<0.5	<0.5	<0.5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<3	<3	<3	<0.30	<0.40
Acetone	UG/L		<6	<6	<6	3 B	<0.70	<0.70
Benzene	UG/L	5	<0.5	<0.5	<0.5	0.3 J	<0.20	<0.30
Bromodichloromethane	UG/L		<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Bromoform	UG/L		<0.5	<0.5	<0.5	<2	<1.0	<1.0
Carbon Disulfide	UG/L		<1	<1	<1	<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<0.5	<0.5	<0.5	<0.4	<0.20	<0.20
Chloroform	UG/L		<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	<0.5	<0.5	<0.5	<0.2	<0.20	0.53 J
cis-1,3-Dichloropropene	UG/L		<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Ethane	UG/L		NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<0.5	<0.5	<0.5	<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.5	<0.5	<0.5	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	NA	NA	NA	<1.0	<2.0
Methane	UG/L		NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<0.5	<0.5	<0.5	<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<0.5	<0.5	<0.5	<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	<2	<2	<0.5	2 B	0.45 J	0.57 J
ortho-Xylene	UG/L		NA	NA	NA	NA	<0.40	<0.40
Styrene	UG/L	100	<1	<1	<1	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.5	<0.5	0.5 J	<0.2	<0.20	<0.20
trans-1,2-Dichloroethene	UG/L	100	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
trans-1,3-Dichloropropene	UG/L		<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<0.5	<0.5	<0.5	<0.2	<0.20	3.1
Vinyl Acetate	UG/L		<2	<2	<2	<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	<0.5	<0.5	<0.5	<0.4	<0.20	<0.20
Xylenes	UG/L	10000	<0.5	<0.5	<0.5	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
specified reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C	MW-06C
			05/02/1995	11/02/1995	11/03/1995	11/06/1995	11/14/1995	11/27/1995	12/27/1995	04/23/1996	11/06/1996	05/13/1997	11/18/1997	06/09/1998
1,1,1-Trichloroethane	UG/L	200	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<1	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<2	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		3	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<2	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<2	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<7	<70	<35	<180	10	<7	<35	<10	<10	<10	<10	<10
Acetone	UG/L		33	<60	<30	<150	31	14	<30	73	20	<20	34	59
Benzene	UG/L	5	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<2	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<3	<30	<15	<75	<3	<3	<15	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<2	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
Chloroform	UG/L		<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	4	<20	<10	<50	2	<2	<10	6	<5	<5	<5	<5
cis-1,3-Dichloropropene	UG/L		<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA
Ethyl Chloride	UG/L		<3	<30	<15	<75	<3	<3	<15	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<1	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	98	NA	NA	NA
Methyl Bromide	UG/L		<3	<30	<15	<75	<3	<3	<15	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<3	<30	<15	<75	<3	<3	<15	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<3	<30	<15	<75	<3	<3	<15	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<5	<50	<25	<130	<5	<5	<25	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	7200	9800	7400	6600	7400	3000	4000	8100	2100	120	2400	4600
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<2	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<2	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<2	NA	NA	NA	<2	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	UG/L	2	<2	<20	<10	<50	<2	<2	<10	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<1	<10	<5	<25	<1	<1	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration
< = Non detect at stated
NA - Not Analyzed for listed
J = estimated concentration
U = Analyte was not detected at the specified reporting limit

B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06C 12/02/1998	MW-06C 05/25/1999	MW-06C 11/10/1999	MW-06C 05/10/2000	MW-06C 11/08/2000	MW-06C 05/10/2001	MW-06C 11/07/2001	MW-06C 05/14/2002	MW-06C 11/13/2002	MW-06C 05/14/2003	MW-06C 11/19/2003	MW-06C 05/19/2004
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10
Acetone	UG/L		<20	47	28	34	<20	<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20	<20	<20
Benzene	UG/L	5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Bromoform	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Chloroform	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10
Methylene Chloride	UG/L	5	1100	1800	680	740	<5	13	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5
Vinyl Acetate	UG/L		NA	<10	<10	<10	<10	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration
< = Non detect at stated
NA - Not Analyzed for listed
J = estimated concentration
U = Analyte was not detected at the specified reporting limit

B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06C 11/09/2004	MW-06C 05/18/2005	MW-06C 11/08/2005	MW-06C 05/18/2006	MW-06C 01/10/2007	MW-06C 05/15/2007	MW-06C 11/06/2007	MW-06C 05/20/2008	MW-06C 11/18/2008	MW-06C 05/19/2009	MW-06C 11/03/2009	MW-06C 05/17/2010
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<3
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<6
Benzene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	6	<5	<5	<5	<0.5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1 UJ
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
cis-1,2 Dichloroethene	UG/L	70	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5 UJ	<5	<5	<5	<1
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<3
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5 UJ	<5 UJ	<5 UJ	<5 UJ	<1 UJ
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.7
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5 UJ	<5	<5 UJ	<5	<1 UJ
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1 UJ
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<2
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.8

Criteria = FED_MCL
shaded cells = Concentration
< = Non detect at stated
NA - Not Analyzed for listed
J = estimated concentration
U = Analyte was not detected at the specified reporting limit

B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06C 12/06/2010	MW-06C 04/18/2011	MW-06C 11/15/2011	MW-06C 05/16/2012	MW-06C 11/05/2012	MW-06C 04/24/2013	MW-06C 11/12/2013	MW-06C 04/29/2014	MW-06C 10/27/2014	MW-06C 04/21/2015	MW-06C 11/11/2015	MW-06C 04/11/2017
1,1,1-Trichloroethane	UG/L	200	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	UG/L		<1	<1	<1	<1	2 J	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	UG/L	7	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	UG/L	5	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	UG/L	5	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<0.5	<0.5	<0.5	<0.5	0.6 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	UG/L	70	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	UG/L	700	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Chloride	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<1	<1	<1 UJ	<1 UJ	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	UG/L	1000	0.9 J	1 J	<0.7	<0.7	<0.7	<0.7	<0.7	0.8 J	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	UG/L	5	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	UG/L		<2	<2	<2	<2 UJ	<2	<2	<2	<2	<2 UJ	<2 UJ	<2 UJ	<2
Vinyl Chloride	UG/L	2	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes	UG/L	10000	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5

Criteria = FED_MCL
shaded cells = Concentration
< = Non detect at stated
NA - Not Analyzed for listed
J = estimated concentration
U = Analyte was not detected at the specified reporting limit

B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-06C
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-06C	MW-06C	MW-06C	MW-06C
			05/15/2018	07/23/2019	10/06/2020	03/16/2022
1,1,1-Trichloroethane	UG/L	200	<0.5	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<0.5	<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		1	<0.2	<0.20	<0.30
1,1-Dichloroethene	UG/L	7	<0.5	<0.2	<0.20	<0.30
1,2-Dichloroethane	UG/L	5	<0.5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<0.5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<3	<0.30	<0.40
Acetone	UG/L		<6	<0.8	<0.70	<0.70
Benzene	UG/L	5	<0.5	<0.2	<0.20	<0.30
Bromodichloromethane	UG/L		<0.5	<0.2	<0.20	<0.20
Bromoform	UG/L		<0.5	<2	<1.0	<1.0
Carbon Disulfide	UG/L		<1	<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<0.5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.5	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<0.5	<0.4	<0.20	<0.20
Chloroform	UG/L		<0.5	<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	<0.5	<0.2	<0.20	<0.30
cis-1,3-Dichloropropene	UG/L		<0.5	<0.2	<0.20	<0.20
Ethane	UG/L		NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA
Ethyl Chloride	UG/L		<0.5	<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.5	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	NA	<1.0	<2.0
Methane	UG/L		NA	NA	NA	NA
Methyl Bromide	UG/L		<0.5	<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<0.5	<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<3	<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<3	<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	<0.5	0.4 B	<0.30	0.63 J
ortho-Xylene	UG/L		NA	NA	<0.40	<0.40
Styrene	UG/L	100	<1	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.5	<0.2	<0.20	0.29 J
trans-1,2-Dichloroethene	UG/L	100	<0.5	<0.2	<0.20	<0.30
trans-1,3-Dichloropropene	UG/L		<0.5	<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<0.5	<0.2	<0.20	<0.30
Vinyl Acetate	UG/L		<2	<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	0.5 J	<0.4	<0.20	<0.20
Xylenes	UG/L	10000	<0.5	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration
< = Non detect at stated
NA - Not Analyzed for listed
J = estimated concentration
U = Analyte was not detected at the specified reporting limit

B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-07
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
			05/03/1995	11/15/1995	04/24/1996	11/07/1996	05/15/1997	11/20/1997	06/11/1998	12/03/1998	05/26/1999	11/11/1999	05/10/2000	11/08/2000	05/09/2001	11/07/2001
1,1,1-Trichloroethane	UG/L	200	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
1,1,2,2-Tetrachloroethane	UG/L		<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
1,1,2-Trichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
1,1-Dichloroethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
1,1-Dichloroethene	UG/L	7	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
1,2-Dichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
1,2-Dichloropropane	UG/L	5	<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
2-Hexanone	UG/L		<7	<7	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [U]	<10 [U]
Acetone	UG/L		<10	<6	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20 [U]	<20 [U]
Benzene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Bromodichloromethane	UG/L		<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Bromoform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Carbon Disulfide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Carbon Tetrachloride	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Chlorobenzene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Chlorodibromomethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Chloroform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
cis-1,2 Dichloroethene	UG/L	70	36	21	20	17	16	9	40	33	35	23	8	14	5	7
cis-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Ethane	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Ethylbenzene	UG/L	700	<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Methyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Methyl Ethyl Ketone	UG/L		<3	<3	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [U]	<10 [U]
Methyl Isobutyl Ketone	UG/L		<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [U]	<10 [U]
Methylene Chloride	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Tetrachloroethene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Toluene	UG/L	1000	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
trans-1,2-Dichloroethene	UG/L	100	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
trans-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]
Trichloroethene	UG/L	5	5	4	<5	<5	<5	<5	<5	5	<5	<5	<5	<5	<5 [U]	<5 [U]
Vinyl Acetate	UG/L		<2	<2	NA	NA	NA	NA	NA	NA	<10	<10	<10	<10	<10 [U]	<10 [U]
Vinyl Chloride	UG/L	2	16	8	9	12	7	<5	6	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]	<5 [U]

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-07
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
			05/14/2002	11/13/2002	05/13/2003	11/19/2003	05/17/2004	11/09/2004	05/18/2005	11/08/2005	05/18/2006	01/10/2007	05/15/2007	11/06/2007	05/20/2008	11/18/2008
1,1,1-Trichloroethane	UG/L	200	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20 [U]	<20 [U]	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<5 [U]	<5 [U]	<5	10	11	25	22	13	10	16	11	7	5	<5
cis-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
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Appendix C
Historical Groundwater VOC Results
MW-07
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07
			05/19/2009	11/03/2009	05/17/2010	12/06/2010	04/18/2011	11/15/2011	05/16/2012	11/05/2012	04/24/2013	11/12/2013	04/29/2014	10/27/2014	04/21/2015	11/11/2015
1,1,1-Trichloroethane	UG/L	200	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	UG/L	5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	UG/L	7	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	UG/L	5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	UG/L	5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
2-Hexanone	UG/L		<10	<10	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<20	<20	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Bromoform	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	UG/L	100	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Chloroform	UG/L		<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	UG/L	70	<5	<5	1 J	2 J	<0.8	2 J	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	UG/L	700	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Methyl Chloride	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	UG/L		<10	<10	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
Toluene	UG/L	1000	<5	<5	<0.7	<0.7	0.8 J	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	UG/L		<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Trichloroethene	UG/L	5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	UG/L		<10	<10	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2 UJ	<2	<2
Vinyl Chloride	UG/L	2	<5	<5	<1	<1	<1	1 J	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5
Xylenes	UG/L	10000	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-07
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-07	MW-07	MW-07	MW-07	MW-07
			04/11/2017	05/16/2018	07/23/2019	10/07/2020	03/15/2022
1,1,1-Trichloroethane	UG/L	200	<0.5	<0.5	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<0.5	<0.5	<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethene	UG/L	7	<0.5	<0.5	<0.2	<0.20	<0.30
1,2-Dichloroethane	UG/L	5	<0.5	<0.5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<0.5	<0.5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<3	<3	<0.30	<0.40
Acetone	UG/L		<6	<6	<0.8	<0.70	<0.70
Benzene	UG/L	5	<0.5	<0.5	<0.2	<0.20	<0.30
Bromodichloromethane	UG/L		<0.5	<0.5	<0.2	<0.20	<0.20
Bromoform	UG/L		<0.5	<0.5	<2	<1.0	<1.0
Carbon Disulfide	UG/L		<1	<1	<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<0.5	<0.5	<0.4	<0.20	<0.20
Chloroform	UG/L		<0.5	<0.5	<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	<0.5	<0.5	1	1.6 B	0.30 J
cis-1,3-Dichloropropene	UG/L		<0.5	<0.5	<0.2	<0.20	<0.20
Ethane	UG/L		NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<0.5	<0.5	<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.5	<0.5	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	NA	NA	<1.0	<2.0
Methane	UG/L		NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<0.5	<0.5	<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<0.5	<0.5	<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<3	<3	<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<3	<3	<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	<2	<0.5	0.2 B	<0.30	<0.30
ortho-Xylene	UG/L		NA	NA	NA	<0.40	<0.40
Styrene	UG/L	100	<1	<1	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.5	<0.5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.5	<0.5	<0.2	<0.20	<0.20
trans-1,2-Dichloroethene	UG/L	100	<0.5	<0.5	<0.2	<0.20	<0.30
trans-1,3-Dichloropropene	UG/L		<0.5	<0.5	<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<0.5	<0.5	<0.2	0.22 B	<0.30
Vinyl Acetate	UG/L		<2	<2	<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	<0.5	<0.5	<0.4	0.29 J	<0.20
Xylenes	UG/L	10000	<0.5	<0.5	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-08
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-08 05/03/1995	MW-08 11/16/1995	MW-08 04/25/1996	MW-08 11/07/1996	MW-08 05/15/1997	MW-08 11/20/1997	MW-08 06/11/1998	MW-08 12/03/1998	MW-08 05/26/1999	MW-08 11/11/1999	MW-08 05/10/2000	MW-08 11/09/2000
1,1,1-Trichloroethane	UG/L	200	<500	21	<1000	<500	<500	<1000	<1000	140	<2000	<1000	<1300	<1300
1,1,2,2-Tetrachloroethane	UG/L		<500	<20	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
1,1,2-Trichloroethane	UG/L	5	<1000	<20	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
1,1-Dichloroethane	UG/L		<1000	<20	<1000	<500	<500	<1000	<1000	6	<2000	<1000	<1300	<1300
1,1-Dichloroethene	UG/L	7	<500	<10	<1000	<500	<500	<1000	<1000	98	<2000	<1000	<1300	<1300
1,2-Dichloroethane	UG/L	5	<1000	<20	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
1,2-Dichloropropane	UG/L	5	<1000	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
2-Hexanone	UG/L		<3500	<70	<2000	<1000	<1000	<2000	<2000	<10	<4000	<2000	<2500	<2500
Acetone	UG/L		<5000	<60	<4000	<2000	<2000	<4000	<4000	<20	<8000	<4000	<5000	<5000
Benzene	UG/L	5	620	59	<1000	590	<500	<1000	<1000	400	<2000	<1000	<1300	<1300
Bromodichloromethane	UG/L		<1000	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Bromoform	UG/L		<500	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Carbon Disulfide	UG/L		<1500	<30	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Carbon Tetrachloride	UG/L	5	<500	<10	<1000	<500	<500	<1000	<1000	31	<2000	<1000	<1300	<1300
Chlorobenzene	UG/L	100	<500	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Chlorodibromomethane	UG/L		<1000	<20	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Chloroform	UG/L		<500	<10	<1000	<500	<500	<1000	<1000	37	<2000	<1000	<1300	<1300
cis-1,2 Dichloroethene	UG/L	70	35000	40000	40000	43000	34000	37000	48000	36000	42000	51000	48000	48000
cis-1,3-Dichloropropene	UG/L		<500	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Ethane	UG/L		NA	NA	NA	14	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	42	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<1500	<30	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Ethylbenzene	UG/L	700	<500	<20	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	130	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1500	<30	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Methyl Chloride	UG/L		<1500	<30	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Methyl Ethyl Ketone	UG/L		<1500	<30	<2000	<1000	<1000	<2000	<2000	<10	<4000	<2000	<2500	<2500
Methyl Isobutyl Ketone	UG/L		<2500	<50	<2000	<1000	<1000	<2000	<2000	<10	<4000	<2000	<2500	<2500
Methylene Chloride	UG/L	5	31000	33000	34000	30000	23000	20000	23000	93	19000	<1000	15000	<1300
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<500	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Tetrachloroethene	UG/L	5	<500	<10	<1000	<500	<500	<1000	<1000	6	<2000	<1000	<1300	<1300
Toluene	UG/L	1000	<1000	<20	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
trans-1,2-Dichloroethene	UG/L	100	<1000	<20	<1000	<500	<500	<1000	<1000	41	<2000	<1000	<1300	<1300
trans-1,3-Dichloropropene	UG/L		<500	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300
Trichloroethene	UG/L	5	340000	310000	380000	270000	280000	200000	260000	180000	250000	240000	260000	200000
Vinyl Acetate	UG/L		<1000	<20	NA	NA	NA	NA	NA	NA	<4000	<2000	<2500	<2500
Vinyl Chloride	UG/L	2	<1000	68	1400	960	840	<1000	<1000	96	<2000	<1000	<1300	<1300
Xylenes	UG/L	10000	<500	<10	<1000	<500	<500	<1000	<1000	<5	<2000	<1000	<1300	<1300

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-08
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08
			05/10/2001	11/08/2001	05/15/2002	11/14/2002	05/14/2003	11/20/2003	05/19/2004	11/11/2004	05/19/2005	11/10/2005	05/18/2006
1,1,1-Trichloroethane	UG/L	200	<1000	<500	<1000	100	<1000	<1000	<1000	<1000	<500	<1000	<1000
1,1,2,2-Tetrachloroethane	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
1,1,2-Trichloroethane	UG/L	5	<1000	<500	<1000	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
1,1-Dichloroethane	UG/L		<1000 [U]	<500 [U]	<1000 [U]	6	<1000	<1000	<1000	<1000	<500	<1000	<1000
1,1-Dichloroethene	UG/L	7	<1000	<500	<1000	140	<1000	<1000	<1000	<1000	<500	<1000	<1000
1,2-Dichloroethane	UG/L	5	<1000	<500	<1000	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
1,2-Dichloropropane	UG/L	5	<1000	<500	<1000	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
2-Hexanone	UG/L		<2000 [U]	<1000 [U]	<2000 [U]	<10 [U]	<2000	<2000	<2000	<2000	<1000	<2000	<2000
Acetone	UG/L		<4000 [U]	<2000 [U]	<4000 [U]	<20 [U]	<4000	<4000	<4000	<4000	<2000	<4000	<4000
Benzene	UG/L	5	<1000	<500	<1000	280	<1000	<1000	<1000	<1000	<500	<1000	<1000
Bromodichloromethane	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Bromoform	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Carbon Disulfide	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Carbon Tetrachloride	UG/L	5	<1000	<500	<1000	21	<1000	<1000	<1000	<1000	<500	<1000	<1000
Chlorobenzene	UG/L	100	<1000	<500	<1000	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Chlorodibromomethane	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Chloroform	UG/L		<1000 [U]	<500 [U]	<1000 [U]	30	<1000	<1000	<1000	<1000	<500	<1000	<1000
cis-1,2 Dichloroethene	UG/L	70	47000	53000	47000	49000	46000	43000	40000	47000	25000	32000	40000
cis-1,3-Dichloropropene	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Ethylbenzene	UG/L	700	<1000	<500 [U]	<1000	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Methyl Chloride	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Methyl Ethyl Ketone	UG/L		<2000 [U]	<1000 [U]	<2000 [U]	<10 [U]	<2000	<2000	<2000	<2000	<1000	<2000	<2000
Methyl Isobutyl Ketone	UG/L		<2000 [U]	<1000 [U]	<2000 [U]	<10 [U]	<2000	<2000	<2000	<2000	<1000	<2000	<2000
Methylene Chloride	UG/L	5	11000	<500	<1000	28	<1000	1400	<1000	<1000	560	<1000	<1000
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1000	<500	<1000	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Tetrachloroethene	UG/L	5	<1000	<500	<1000	9	<1000	<1000	<1000	<1000	<500	<1000	<1000
Toluene	UG/L	1000	<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
trans-1,2-Dichloroethene	UG/L	100	<1000	<500	<1000	31	<1000	<1000	<1000	<1000	<500	<1000	<1000
trans-1,3-Dichloropropene	UG/L		<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000
Trichloroethene	UG/L	5	240000	180000	210000	150000	200000	130000	160000	89000	71000	110000	130000
Vinyl Acetate	UG/L		<2000 [U]	<1000 [U]	<2000 [U]	<10 [U]	<2000	<2000	<2000	<2000	<1000	<2000	<2000
Vinyl Chloride	UG/L	2	<1000	<500	<1000	110	<1000	<1000	<1000	<1000	<500	<1000	<1000
Xylenes	UG/L	10000	<1000 [U]	<500 [U]	<1000 [U]	<5 [U]	<1000	<1000	<1000	<1000	<500	<1000	<1000

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-08
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08 DUP	MW-08	MW-08	MW-08
			01/10/2007	05/15/2007	11/06/2007	05/20/2008	11/19/2008	05/19/2009	11/03/2009	05/17/2010	05/17/2010	12/06/2010	04/18/2011
1,1,1-Trichloroethane	UG/L	200	<500	<500	<500	<500	71	<250	<500	<80	<80	<80	<80
1,1,2,2-Tetrachloroethane	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
1,1,2-Trichloroethane	UG/L	5	<500	<500	<500	<500	<5	<250	<500	<80	<80	<80	<80
1,1-Dichloroethane	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
1,1-Dichloroethene	UG/L	7	<500	<500	<500	<500	58	<250	<500	<80	<80	<80	<80
1,2-Dichloroethane	UG/L	5	<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
1,2-Dichloropropane	UG/L	5	<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
2-Hexanone	UG/L		<1000	<1000	<1000	<1000	<10	<500	<1000	<300	<300	<300	<300
Acetone	UG/L		<2000	<2000	<2000	<2000	<20	<1000	<2000	<600	<600	<600	<600
Benzene	UG/L	5	<500	<500	<500	<500	170	<250	<500	160	160	120	110
Bromodichloromethane	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Bromoform	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Carbon Disulfide	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Carbon Tetrachloride	UG/L	5	<500	<500	<500	<500	20	<250	<500	<100	<100	<100	<100
Chlorobenzene	UG/L	100	<500	<500	<500	<500	<5	<250	<500	<80	<80	<80	<80
Chlorodibromomethane	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Chloroform	UG/L		<500	<500	<500	<500	12	<250	<500	<80	<80	<80	<80
cis-1,2 Dichloroethene	UG/L	70	44000	35000	32000	33000	29000	30000	25000	27000	27000	26000	20000
cis-1,3-Dichloropropene	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Ethylbenzene	UG/L	700	<500	<500	<500	<500	<5	<250	<500	<80	<80	<80	<80
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Methyl Chloride	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Methyl Ethyl Ketone	UG/L		<1000	<1000	<1000	<1000	<10	<500	<1000	<300	<300	<300	<300
Methyl Isobutyl Ketone	UG/L		<1000	<1000	<1000	<1000	<10	<500	<1000	<300	<300	<300	<300
Methylene Chloride	UG/L	5	700	<500	800	<500	44	<250	<500	<200	<200	<200	<200
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Tetrachloroethene	UG/L	5	<500	<500	<500	<500	9	<250	<500	<80	<80	<80	<80
Toluene	UG/L	1000	<500	<500	<500	<500	<5	<250	<500	<70	<70	<70	<70
trans-1,2-Dichloroethene	UG/L	100	<500	<500	<500	<500	20	<250	<500	<80	<80	<80	<80
trans-1,3-Dichloropropene	UG/L		<500	<500	<500	<500	<5	<250	<500	<100	<100	<100	<100
Trichloroethene	UG/L	5	120000	130000	100000	120000	100000	100000	88000	98000	100000	72000	77000
Vinyl Acetate	UG/L		<1000	<1000	<1000	<1000	<10	<500	<1000	<200	<200	<200	<200
Vinyl Chloride	UG/L	2	<500	<500	<500	<500	29	<250	<500	<100	<100	<100	1200
Xylenes	UG/L	10000	<500	<500	<500	<500	<5	<250	<500	<80	<80	<80	<80

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-08
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-08 11/16/2011	MW-08 05/16/2012	MW-08 11/05/2012	MW-08 04/24/2013	MW-08 11/12/2013	MW-08 04/29/2014	MW-08 10/28/2014	MW-08 04/21/2015	MW-08 11/11/2015	MW-08 04/11/2017	MW-08 05/16/2018	MW-08 07/23/2019
1,1,1-Trichloroethane	UG/L	200	<80	<80	<40	<40	26 J	31 J	<25	32	21	<25	<25	17 J
1,1,2,2-Tetrachloroethane	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<4
1,1,2-Trichloroethane	UG/L	5	<80	<80	<40	<40	<20	<25	<25	<5	<10	<25	<25	<4
1,1-Dichloroethane	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<4
1,1-Dichloroethene	UG/L	7	<80	<80	57	47	33	53	28	39	20	30	<25	28
1,2-Dichloroethane	UG/L	5	<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<40
1,2-Dichloropropane	UG/L	5	<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<4
2-Hexanone	UG/L		<300	<300	<150	<150	<75	<150	<150	<30	<60	<150	<150	<60
Acetone	UG/L		<600	<600	<300	<300	<150	<300	<300	<60	<120	<300	<300	<16
Benzene	UG/L	5	96	110	150	92	81	96	66	78	55	63	56	49
Bromodichloromethane	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<4
Bromoform	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<40
Carbon Disulfide	UG/L		<100	<100	<50	<50	<25	<50	<50	<10	<20	<50	<50	<6
Carbon Tetrachloride	UG/L	5	<100	<100	<50	<50	<25	<25	<25	16	<10	<25	<25	5 J
Chlorobenzene	UG/L	100	<80	<80	<40	<40	<20	<25	<25	<5	<10	<25	<25	<4
Chlorodibromomethane	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<8
Chloroform	UG/L		<80	<80	<40	<40	<20	<25	<25	<5	<10	<25	<25	<4
cis-1,2 Dichloroethene	UG/L	70	17000	24000	31000	23000	18000	22000	15000	20000	12000	17000	15000	13000
cis-1,3-Dichloropropene	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<4
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<6
Ethylbenzene	UG/L	700	<80	<80	<40	<40	<20	<25	<25	<5	<10	<25	<25	<4
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<10
Methyl Chloride	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<6
Methyl Ethyl Ketone	UG/L		<300	<300	<150	<150	<75	<150	<150	<30	<60	<150	<150	<20
Methyl Isobutyl Ketone	UG/L		<300	<300	<150	<150	<75	<150	<150	<30	<60	<150	<150	<10
Methylene Chloride	UG/L	5	<200	<200	<100	<100	<50	<100	<100	25	<40	<100	<25	11
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<100	<100	<50	<50	<25	<50	<50	<10	<20	<50	<50	<4
Tetrachloroethene	UG/L	5	<80	<80	<40	<40	<20	<25	<25	<5	<10	<25	<25	<4
Toluene	UG/L	1000	<70	<70	<35	120 J	<18	<25	<25	<5	<10	<25	<25	<4
trans-1,2-Dichloroethene	UG/L	100	<80	<80	<40	<40	<20	<25	<25	13	<10	<25	<25	34
trans-1,3-Dichloropropene	UG/L		<100	<100	<50	<50	<25	<25	<25	<5	<10	<25	<25	<4
Trichloroethene	UG/L	5	62000	83000	79000	67000	53000	68000	50000	62000	36000	43000	32000	35000
Vinyl Acetate	UG/L		<200	<200	<100	<100	<50	<100	<100 UJ	<20	<40 UJ	<100	<100	<14
Vinyl Chloride	UG/L	2	<100	<100	55	520	<25	1100	<25	1100	<10	860	900	460
Xylenes	UG/L	10000	<80	<80	<40	<40	<20	<25	<25	<5	<10	<25	<25	<10

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-08
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-08 10/07/2020	MW-08 03/15/2022
1,1,1-Trichloroethane	UG/L	200	15 J	7.9 J
1,1,2,2-Tetrachloroethane	UG/L		<4.0	<6.0
1,1,2-Trichloroethane	UG/L	5	<4.0	<6.0
1,1-Dichloroethane	UG/L		<4.0	<6.0
1,1-Dichloroethene	UG/L	7	22	13
1,2-Dichloroethane	UG/L	5	<6.0	<6.0
1,2-Dichloropropane	UG/L	5	<4.0	<6.0
2-Hexanone	UG/L		<6.0	<8.0
Acetone	UG/L		<14	<14
Benzene	UG/L	5	36	10
Bromodichloromethane	UG/L		<4.0	<4.0
Bromoform	UG/L		<20	<20
Carbon Disulfide	UG/L		NA	NA
Carbon Tetrachloride	UG/L	5	<4.0	<6.0
Chlorobenzene	UG/L	100	<4.0	<6.0
Chlorodibromomethane	UG/L		<4.0	<4.0
Chloroform	UG/L		4.6 J	<6.0
cis-1,2 Dichloroethene	UG/L	70	11000	7000
cis-1,3-Dichloropropene	UG/L		<4.0	<4.0
Ethane	UG/L		NA	NA
Ethene	UG/L		NA	NA
Ethyl Chloride	UG/L		<4.0	<4.0
Ethylbenzene	UG/L	700	<8.0	<8.0
meta- and para-Xylene	UG/L		<20	<40
Methane	UG/L		NA	NA
Methyl Bromide	UG/L		<6.0	<6.0
Methyl Chloride	UG/L		<4.0	<4.0
Methyl Ethyl Ketone	UG/L		<6.0	<10
Methyl Isobutyl Ketone	UG/L		<10	<10
Methylene Chloride	UG/L	5	<6.0	<6.0
ortho-Xylene	UG/L		<8.0	<8.0
Styrene	UG/L	100	<4.0	<6.0
Tetrachloroethene	UG/L	5	<4.0	<6.0
Toluene	UG/L	1000	<4.0	<4.0
trans-1,2-Dichloroethene	UG/L	100	12 J	14 J
trans-1,3-Dichloropropene	UG/L		<4.0	<4.0
Trichloroethene	UG/L	5	34000	17000
Vinyl Acetate	UG/L		<14	<40
Vinyl Chloride	UG/L	2	4.3	150
Xylenes	UG/L	10000	<28	<8.0

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-15
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
			05/03/1995	11/15/1995	04/24/1996	11/06/1996	05/14/1997	11/19/1997	06/10/1998	12/03/1998	05/26/1999	11/11/1999	05/10/2000	11/09/2000
1,1,1-Trichloroethane	UG/L	200	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<7	<7	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<10	<6	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<3	<3	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	30	<5	<5
Vinyl Acetate	UG/L		<2	<2	NA	NA	NA	NA	NA	NA	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-15
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
			05/10/2001	11/08/2001	05/15/2002	11/14/2002	05/14/2003	11/20/2003	05/19/2004	11/11/2004	05/18/2005	11/10/2005	05/18/2006	01/10/2007
1,1,1-Trichloroethane	UG/L	200	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5 [U]	<5 [U]	<5 [U]	7	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-15
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
			05/15/2007	11/06/2007	05/20/2008	11/18/2008	05/19/2009	11/03/2009	05/17/2010	12/06/2010	04/18/2011	11/15/2011	05/16/2012	11/05/2012
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
cis-1,2 Dichloroethene	UG/L	70	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	22	<1	<1	<1	<1	<1	<1
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<2	<2	<2	<2	<2	<2
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-15
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
			04/24/2013	11/12/2013	04/29/2014	10/27/2014	04/21/2015	11/11/2015	04/11/2017	05/16/2018	07/23/2019	10/07/2020	03/15/2022
1,1,1-Trichloroethane	UG/L	200	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethene	UG/L	7	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,2-Dichloroethane	UG/L	5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<0.30	<0.40
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<0.8	<0.70	0.71 J
Benzene	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Bromodichloromethane	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Bromoform	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<1.0	<1.0
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.20	<0.20
Chloroform	UG/L		<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	2	<0.5	<0.2	<0.20	<0.30
cis-1,3-Dichloropropene	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<2.0
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<0.5	0.2 B	<0.30	<0.30
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	<0.40
Styrene	UG/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.7	<0.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
trans-1,2-Dichloroethene	UG/L	100	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
trans-1,3-Dichloropropene	UG/L		<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<1	<1	<0.5	<0.5	<0.5	0.6 J	17	0.7 J	0.7 J	<0.20	0.54 J
Vinyl Acetate	UG/L		<2	<2	<2	<2 UJ	<2	<2 UJ	<2	<2	<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.20	<0.20
Xylenes	UG/L	10000	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-16
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-16 05/03/1995	MW-16 11/15/1995	MW-16 04/24/1996	MW-16 11/07/1996	MW-16 05/14/1997	MW-16 11/19/1997	MW-16 06/10/1998	MW-16 12/03/1998	MW-16 05/26/1999	MW-16 11/11/1999	MW-16 05/10/2000	MW-16 11/09/2000	MW-16 05/10/2001
1,1,1-Trichloroethane	UG/L	200	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
1,1,2,2-Tetrachloroethane	UG/L		<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
1,1,2-Trichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
1,1-Dichloroethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
1,1-Dichloroethene	UG/L	7	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
1,2-Dichloroethane	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
1,2-Dichloropropane	UG/L	5	<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
2-Hexanone	UG/L		<7	<7	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [U]
Acetone	UG/L		<10	<6	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20 [U]
Benzene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Bromodichloromethane	UG/L		<2	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Bromoform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Carbon Disulfide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Carbon Tetrachloride	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Chlorobenzene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Chlorodibromomethane	UG/L		<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Chloroform	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
cis-1,2 Dichloroethene	UG/L	70	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
cis-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Ethane	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Ethylbenzene	UG/L	700	<1	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	15	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Methyl Chloride	UG/L		<3	<3	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Methyl Ethyl Ketone	UG/L		<3	<3	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [U]
Methyl Isobutyl Ketone	UG/L		<5	<5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10 [U]
Methylene Chloride	UG/L	5	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	9	<5	<5 [U]
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Tetrachloroethene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Toluene	UG/L	1000	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
trans-1,2-Dichloroethene	UG/L	100	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
trans-1,3-Dichloropropene	UG/L		<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]
Trichloroethene	UG/L	5	<1	<1	<5	<5	<5	<5	<5	<5	<5	15	<5	<5	<5 [U]
Vinyl Acetate	UG/L		<2	<2	NA	NA	NA	NA	NA	NA	<10	<10	<10	<10	<10 [U]
Vinyl Chloride	UG/L	2	<2	<2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5 [U]

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-16
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
			11/08/2001	05/15/2002	11/14/2002	05/14/2003	11/20/2003	05/19/2004	11/09/2004	05/19/2005	11/08/2005	05/18/2006	01/10/2007	05/15/2007
1,1,1-Trichloroethane	UG/L	200	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20 [U]	<20 [U]	<20 [U]	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<10 [U]	<10 [U]	<10 [U]	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5 [U]	<5 [U]	<5 [U]	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-16
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
			11/06/2007	05/20/2008	11/19/2008	05/19/2009	11/03/2009	05/17/2010	12/06/2010	04/18/2011	11/15/2011
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<1	<1	<1	<1
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<1	<1	<1	<1
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<3	<3	<3	<3
Acetone	UG/L		<20	<20	<20	<20	<20	<6	<6	<6	<6
Benzene	UG/L	5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Bromoform	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Chloroform	UG/L		<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
cis-1,2 Dichloroethene	UG/L	70	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<0.7	0.7 J	<0.7	<0.7
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<2	<2	<2	<2
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<1	<1	<1	<1
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-16
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-16 05/16/2012	MW-16 11/05/2012	MW-16 04/24/2013	MW-16 11/12/2013	MW-16 04/29/2014	MW-16 10/27/2014	MW-16 04/21/2015	MW-16 11/11/2015	MW-16 04/11/2017	MW-16 05/15/2018	MW-16 07/23/2019	MW-16 10/07/2020	MW-16 03/15/2022
1,1,1-Trichloroethane	UG/L	200	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethene	UG/L	7	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
1,2-Dichloroethane	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<0.30	<0.40
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6	<0.8	<0.70	<0.70
Benzene	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Bromodichloromethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Bromoform	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<1.0	<1.0
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.20	<0.20
Chloroform	UG/L		<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
cis-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Ethane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Chloride	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<2.0
Methane	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5	0.3 B	<0.30	<0.30
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	<0.40
Styrene	UG/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.7	<0.7	<0.7	<0.7	0.5 J	<0.5	<0.5	<0.5	<0.5	0.6 J	<0.2	<0.20	0.50 J
trans-1,2-Dichloroethene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
trans-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.20	<0.30
Vinyl Acetate	UG/L		<2	<2	<2	<2	<2	<2 UJ	<2	<2 UJ	<2	<2	<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.20	<0.20
Xylenes	UG/L	10000	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-18
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
			01/09/2007	05/15/2007	11/06/2007	05/20/2008	11/18/2008	05/19/2009	11/03/2009	05/17/2010	12/06/2010	04/18/2011
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<10	<3	<3	<3
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<20	<6	<6	<6
Benzene	UG/L	5	<5	<5	<5	24	<5	<5	<5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
cis-1,2 Dichloroethene	UG/L	70	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<5	<0.7	0.7 J	<0.7
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<10	<2	<2	<2
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-18
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-18 11/15/2011	MW-18 05/16/2012	MW-18 11/05/2012	MW-18 04/24/2013	MW-18 11/12/2013	MW-18 04/29/2014	MW-18 10/27/2014	MW-18 04/21/2015	MW-18 11/11/2015	MW-18 04/11/2017
1,1,1-Trichloroethane	UG/L	200	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	UG/L	7	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<0.5	<0.5	0.6 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	UG/L	70	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Chloride	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	UG/L	700	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Chloride	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	UG/L	1000	<0.7	<0.7	<0.7	<0.7	<0.7	0.7 J	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	UG/L	5	<1	<1	<1	<1	<1	<0.5	<0.5	0.6 B	<0.5	<0.5
Vinyl Acetate	UG/L		<2	<2	<2	<2	<2	<2	<2 UJ	<2	<2	<2
Vinyl Chloride	UG/L	2	<1	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes	UG/L	10000	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-18
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-18	MW-18	MW-18	MW-18
			05/15/2018	07/23/2019	10/07/2020	03/15/2022
1,1,1-Trichloroethane	UG/L	200	<0.5	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<0.5	<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		<0.5	<0.2	<0.20	<0.30
1,1-Dichloroethene	UG/L	7	<0.5	<0.2	<0.20	<0.30
1,2-Dichloroethane	UG/L	5	<0.5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<0.5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<3	<0.30	<0.40
Acetone	UG/L		<6	0.9 B	<0.70	1.7 J
Benzene	UG/L	5	<0.5	<0.2	<0.20	<0.30
Bromodichloromethane	UG/L		<0.5	<0.2	<0.20	<0.20
Bromoform	UG/L		<0.5	<2	<1.0	<1.0
Carbon Disulfide	UG/L		<1	<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<0.5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.5	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<0.5	<0.4	<0.20	<0.20
Chloroform	UG/L		<0.5	<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	<0.5	<0.2	<0.20	<0.30
cis-1,3-Dichloropropene	UG/L		<0.5	<0.2	<0.20	<0.20
Ethyl Chloride	UG/L		<0.5	<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.5	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	NA	<1.0	<2.0
Methyl Bromide	UG/L		<0.5	<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<0.5	<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<3	<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<3	<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	<0.5	0.3 B	<0.30	<0.30
ortho-Xylene	UG/L		NA	NA	<0.40	<0.40
Styrene	UG/L	100	<1	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.5	<0.2	<0.20	<0.20
trans-1,2-Dichloroethene	UG/L	100	<0.5	<0.2	<0.20	<0.30
trans-1,3-Dichloropropene	UG/L		<0.5	<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<0.5	<0.2	<0.20	<0.30
Vinyl Acetate	UG/L		<2	<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	<0.5	<0.4	<0.20	<0.20
Xylenes	UG/L	10000	<0.5	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-19
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-19 01/09/2007	MW-19 05/15/2007	MW-19 05/20/2008	MW-19 11/18/2008	MW-19 05/19/2009	MW-19 11/03/2009	MW-19 05/17/2010	MW-19 12/06/2010	MW-19 04/18/2011	MW-19 11/15/2011
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<0.8	<0.8	0.8 J	<0.8
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<3	<3	<3	<3
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<6	<6	<6	<6
Benzene	UG/L	5	<5	<5	21	<5	<5	<5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
cis-1,2 Dichloroethene	UG/L	70	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
meta- and para-Xylene	UG/L			NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<2	<2	<2	<2
ortho-Xylene	UG/L			NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<0.7	1 J	1 J	<0.7
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<2	<2	<2	<2
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-19
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-19 05/16/2012	MW-19 11/05/2012	MW-19 04/24/2013	MW-19 11/12/2013	MW-19 04/29/2014	MW-19 10/27/2014	MW-19 04/21/2015	MW-19 11/11/2015	MW-19 04/10/2017	MW-19 05/15/2018
1,1,1-Trichloroethane	UG/L	200	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	UG/L	7	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<0.5	0.8 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	UG/L		<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	UG/L	70	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Chloride	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	UG/L	700	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Chloride	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	UG/L	1000	<0.7	<0.7	<0.7	<0.7	0.6 J	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	UG/L	5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Vinyl Acetate	UG/L		<2	<2	<2	<2	<2	<2 UJ	<2	<2	<2	<2
Vinyl Chloride	UG/L	2	<1	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes	UG/L	10000	<0.8	<0.8	<0.8	<0.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
MW-19
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	MW-19 07/23/2019	MW-19 10/07/2020	MW-19 03/15/2022
1,1,1-Trichloroethane	UG/L	200	<0.2	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<0.2	<0.20	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.2	<0.20	<0.30
1,1-Dichloroethane	UG/L		<0.2	<0.20	<0.30
1,1-Dichloroethene	UG/L	7	<0.2	<0.20	<0.30
1,2-Dichloroethane	UG/L	5	<2	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<0.2	<0.20	<0.30
2-Hexanone	UG/L		<3	<0.30	<0.40
Acetone	UG/L		2 B	<0.70	0.87 J
Benzene	UG/L	5	<0.2	<0.20	<0.30
Bromodichloromethane	UG/L		<0.2	<0.20	<0.20
Bromoform	UG/L		<2	<1.0	<1.0
Carbon Disulfide	UG/L		<0.3	NA	NA
Carbon Tetrachloride	UG/L	5	<0.2	<0.20	<0.30
Chlorobenzene	UG/L	100	<0.2	<0.20	<0.30
Chlorodibromomethane	UG/L		<0.4	<0.20	<0.20
Chloroform	UG/L		<0.2	<0.20	<0.30
cis-1,2 Dichloroethene	UG/L	70	<0.2	<0.20	<0.30
cis-1,3-Dichloropropene	UG/L		<0.2	<0.20	<0.20
Ethyl Chloride	UG/L		<0.3	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.2	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	<1.0	<2.0
Methyl Bromide	UG/L		<0.5	<0.30	<0.30
Methyl Chloride	UG/L		<0.3	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<1	<0.30	<0.50
Methyl Isobutyl Ketone	UG/L		<0.5	<0.50	<0.50
Methylene Chloride	UG/L	5	<0.2	<0.30	<0.30
ortho-Xylene	UG/L		NA	<0.40	<0.40
Styrene	UG/L	100	<0.2	<0.20	<0.30
Tetrachloroethene	UG/L	5	<0.2	<0.20	<0.30
Toluene	UG/L	1000	<0.2	<0.20	<0.20
trans-1,2-Dichloroethene	UG/L	100	<0.2	<0.20	<0.30
trans-1,3-Dichloropropene	UG/L		<0.2	<0.20	<0.20
Trichloroethene	UG/L	5	<0.2	<0.20	<0.30
Vinyl Acetate	UG/L		<0.7	<0.70	<2.0
Vinyl Chloride	UG/L	2	<0.4	<0.20	<0.20
Xylenes	UG/L	10000	<0.5	<1.4	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
< = Non detect at stated reporting limit
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04	SW-04	SW-04 DUP	SW-04 DUP	SW-04	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04
			12/02/1998	12/02/1998	05/25/1999	05/25/1999	11/10/1999	11/10/1999	05/10/2000	05/10/2000	11/09/2000	11/09/2000
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	20	18	8	9	9	9	6	5	11	11
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		NA	NA	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04 DUP 05/10/2001	SW-04 05/10/2001	SW-04 DUP 11/08/2001	SW-04 11/08/2001	SW-04 DUP 05/15/2002	SW-04 05/15/2002	SW-04 DUP 11/14/2002	SW-04 11/14/2002	SW-04 DUP 05/14/2003	SW-04 05/14/2003
1,1,1-Trichloroethane	UG/L	200	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,1-Dichloroethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,1-Dichloroethene	UG/L	7	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,2-Dichloroethane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
1,2-Dichloropropane	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
2-Hexanone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10
Acetone	UG/L		<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20 [U]	<20	<20
Benzene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Bromodichloromethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Bromoform	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Carbon Disulfide	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Carbon Tetrachloride	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Chlorobenzene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Chlorodibromomethane	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Chloroform	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
cis-1,2 Dichloroethene	UG/L	70	8	8	7	7	9	9	13	13	7	7
cis-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Ethyl Chloride	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Ethylbenzene	UG/L	700	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Methyl Chloride	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Methyl Ethyl Ketone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10
Methyl Isobutyl Ketone	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10
Methylene Chloride	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Tetrachloroethene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Toluene	UG/L	1000	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
trans-1,3-Dichloropropene	UG/L		<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Trichloroethene	UG/L	5	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5
Vinyl Acetate	UG/L		<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10 [U]	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5 [U]	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04 DUP 11/20/2003	SW-04 11/20/2003	SW-04 DUP 05/19/2004	SW-04 05/19/2004	SW-04 DUP 11/11/2004	SW-04 11/11/2004	SW-04 07/29/2005	SW-04 DUP 11/10/2005	SW-04 11/10/2005	SW-04 DUP 05/18/2006
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	10	10	13	13	11	12	10	8	8	<5
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5	<5	6	6	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP
			05/18/2006	01/10/2007	01/10/2007	05/15/2007	05/15/2007	11/06/2007	11/06/2007	05/20/2008	05/20/2008	11/18/2008
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone	UG/L		<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2 Dichloroethene	UG/L	70	<5	6	6	7	8	<5	5	8	9	6
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP
			11/18/2008	05/19/2009	05/19/2009	11/03/2009	11/03/2009	12/06/2010	12/06/2010	04/18/2011	04/18/2011	11/15/2011
1,1,1-Trichloroethane	UG/L	200	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
1,1,2,2-Tetrachloroethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	UG/L	5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
1,1-Dichloroethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
1,1-Dichloroethene	UG/L	7	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
1,2-Dichloroethane	UG/L	5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
1,2-Dichloropropane	UG/L	5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
2-Hexanone	UG/L		<10	<10	<10	<10	<10	<3	<3	<3	<3	<3
Acetone	UG/L		<20	<20	<20	<20	<20	<6	<6	<6	<6	<6
Benzene	UG/L	5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Bromoform	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Carbon Disulfide	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Chlorobenzene	UG/L	100	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
Chlorodibromomethane	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Chloroform	UG/L		<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
cis-1,2 Dichloroethene	UG/L	70	5	5	6	7	7	9	9	10	10	17
cis-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Ethyl Chloride	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Ethylbenzene	UG/L	700	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Methyl Chloride	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Methyl Ethyl Ketone	UG/L		<10	<10	<10	<10	<10	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<10	<10	<10	<10	<10	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<5	<5	<5	<5	<5	<2	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
Toluene	UG/L	1000	<5	<5	<5	<5	<5	<0.7	<0.7	<0.7	<0.7	<0.7
trans-1,2-Dichloroethene	UG/L	100	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8
trans-1,3-Dichloropropene	UG/L		<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Trichloroethene	UG/L	5	<5	<5	<5	<5	<5	3 J	3 J	5	5	6
Vinyl Acetate	UG/L		<10	<10	<10	<10	<10	<2	<2	<2	<2	<2
Vinyl Chloride	UG/L	2	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1
Xylenes	UG/L	10000	<5	<5	<5	<5	<5	<0.8	<0.8	<0.8	<0.8	<0.8

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
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Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP
			11/15/2011	05/16/2012	05/16/2012	11/05/2012	11/05/2012	04/24/2013	04/24/2013	11/12/2013	11/12/2013	04/29/2014
1,1,1-Trichloroethane	UG/L	200	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
1,1,2-Trichloroethane	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
1,1-Dichloroethane	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
1,1-Dichloroethene	UG/L	7	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
1,2-Dichloroethane	UG/L	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
1,2-Dichloropropane	UG/L	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Bromoform	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Chlorobenzene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
Chlorodibromomethane	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Chloroform	UG/L		<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
cis-1,2 Dichloroethene	UG/L	70	18	17	16	21	21	12	12	15	16	5
cis-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Ethyl Chloride	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Ethylbenzene	UG/L	700	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Methyl Chloride	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
Toluene	UG/L	1000	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.5
trans-1,2-Dichloroethene	UG/L	100	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5
trans-1,3-Dichloropropene	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Trichloroethene	UG/L	5	6	8	7	9	9	6	6	7	8	3
Vinyl Acetate	UG/L		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl Chloride	UG/L	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5
Xylenes	UG/L	10000	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.5

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP
			04/29/2014	10/28/2014	10/28/2014	04/21/2015	04/21/2015	11/11/2015	11/11/2015	04/11/2017	04/11/2017	05/16/2018
1,1,1-Trichloroethane	UG/L	200	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	UG/L	7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Hexanone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Acetone	UG/L		<6	<6	<6	<6	<6	<6	<6	<6	<6	<6
Benzene	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Disulfide	UG/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	UG/L	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2 Dichloroethene	UG/L	70	5	5	5	5	5	5	6	9	10	9
cis-1,3-Dichloropropene	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethyl Chloride	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	UG/L	700	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
meta- and para-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Bromide	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Chloride	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methyl Isobutyl Ketone	UG/L		<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Methylene Chloride	UG/L	5	<2	<2	<2	<2	<2	<2	<2	<2	<2	<0.5
ortho-Xylene	UG/L		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	UG/L	100	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	UG/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	UG/L	1000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	UG/L	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	UG/L		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	UG/L	5	3	3	3	2 B	2 B	3	3	5	5	5
Vinyl Acetate	UG/L		<2	<2 UJ	<2 UJ	<2	<2	<2 UJ	<2 UJ	<2	<2	<2
Vinyl Chloride	UG/L	2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes	UG/L	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
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Appendix C
Historical Groundwater VOC Results
SW-04
DuPont Towanda Site
Towanda, Pennsylvania

Analyte	Units	FED MCL	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04	SW-04 DUP	SW-04
			05/16/2018	07/23/2019	07/23/2019	10/07/2020	10/07/2020	03/16/2022	03/16/2022
1,1,1-Trichloroethane	UG/L	200	<0.5	<0.2	<0.2	<0.30	<0.30	<0.30	<0.30
1,1,2,2-Tetrachloroethane	UG/L		<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
1,1,2-Trichloroethane	UG/L	5	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
1,1-Dichloroethane	UG/L		<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
1,1-Dichloroethene	UG/L	7	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
1,2-Dichloroethane	UG/L	5	<0.5	<2	<2	<0.30	<0.30	<0.30	<0.30
1,2-Dichloropropane	UG/L	5	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
2-Hexanone	UG/L		<3	<3	<3	<0.30	<0.30	<0.40	<0.40
Acetone	UG/L		<6	<0.8	<0.8	<0.70	<0.70	<0.70	<0.70
Benzene	UG/L	5	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
Bromodichloromethane	UG/L		<0.5	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
Bromoform	UG/L		<0.5	<2	<2	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	UG/L		<1	<0.3	<0.3	NA	NA	NA	NA
Carbon Tetrachloride	UG/L	5	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
Chlorobenzene	UG/L	100	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
Chlorodibromomethane	UG/L		<0.5	<0.4	<0.4	<0.20	<0.20	<0.20	<0.20
Chloroform	UG/L		<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
cis-1,2 Dichloroethene	UG/L	70	9	13	13	20	20	10	11
cis-1,3-Dichloropropene	UG/L		<0.5	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
Ethyl Chloride	UG/L		<0.5	<0.3	<0.3	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	UG/L	700	<0.5	<0.2	<0.2	<0.40	<0.40	<0.40	<0.40
meta- and para-Xylene	UG/L		NA	NA	NA	<1.0	<1.0	<2.0	<2.0
Methyl Bromide	UG/L		<0.5	<0.5	<0.5	<0.30	<0.30	<0.30	<0.30
Methyl Chloride	UG/L		<0.5	<0.3	<0.3	<0.20	<0.20	<0.20	<0.20
Methyl Ethyl Ketone	UG/L		<3	<1	<1	<0.30	<0.30	<0.50	<0.50
Methyl Isobutyl Ketone	UG/L		<3	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	UG/L	5	<0.5	0.2 B	<0.2	<0.30	<0.30	<0.30	<0.30
ortho-Xylene	UG/L		NA	NA	NA	<0.40	<0.40	<0.40	<0.40
Styrene	UG/L	100	<1	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
Tetrachloroethene	UG/L	5	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
Toluene	UG/L	1000	<0.5	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
trans-1,2-Dichloroethene	UG/L	100	<0.5	<0.2	<0.2	<0.20	<0.20	<0.30	<0.30
trans-1,3-Dichloropropene	UG/L		<0.5	<0.2	<0.2	<0.20	<0.20	<0.20	<0.20
Trichloroethene	UG/L	5	5	7	7	11	11	5.5	5.8
Vinyl Acetate	UG/L		<2	<0.7	<0.7	<0.70	<0.70	<2.0	<2.0
Vinyl Chloride	UG/L	2	<0.5	<0.4	<0.4	<0.20	<0.20	<0.20	<0.20
Xylenes	UG/L	10000	<0.5	<0.5	<0.5	<1.4	<1.4	<0.40	<0.40

Criteria = FED_MCL
shaded cells = Concentration above criteria
DUP - duplicate sample
< = Non detect at stated reporting limit
NA - Not Analyzed for listed compound.
J = estimated concentration
B = Not detected substantially above the level reported in the laboratory

Appendix D

Trend Charts

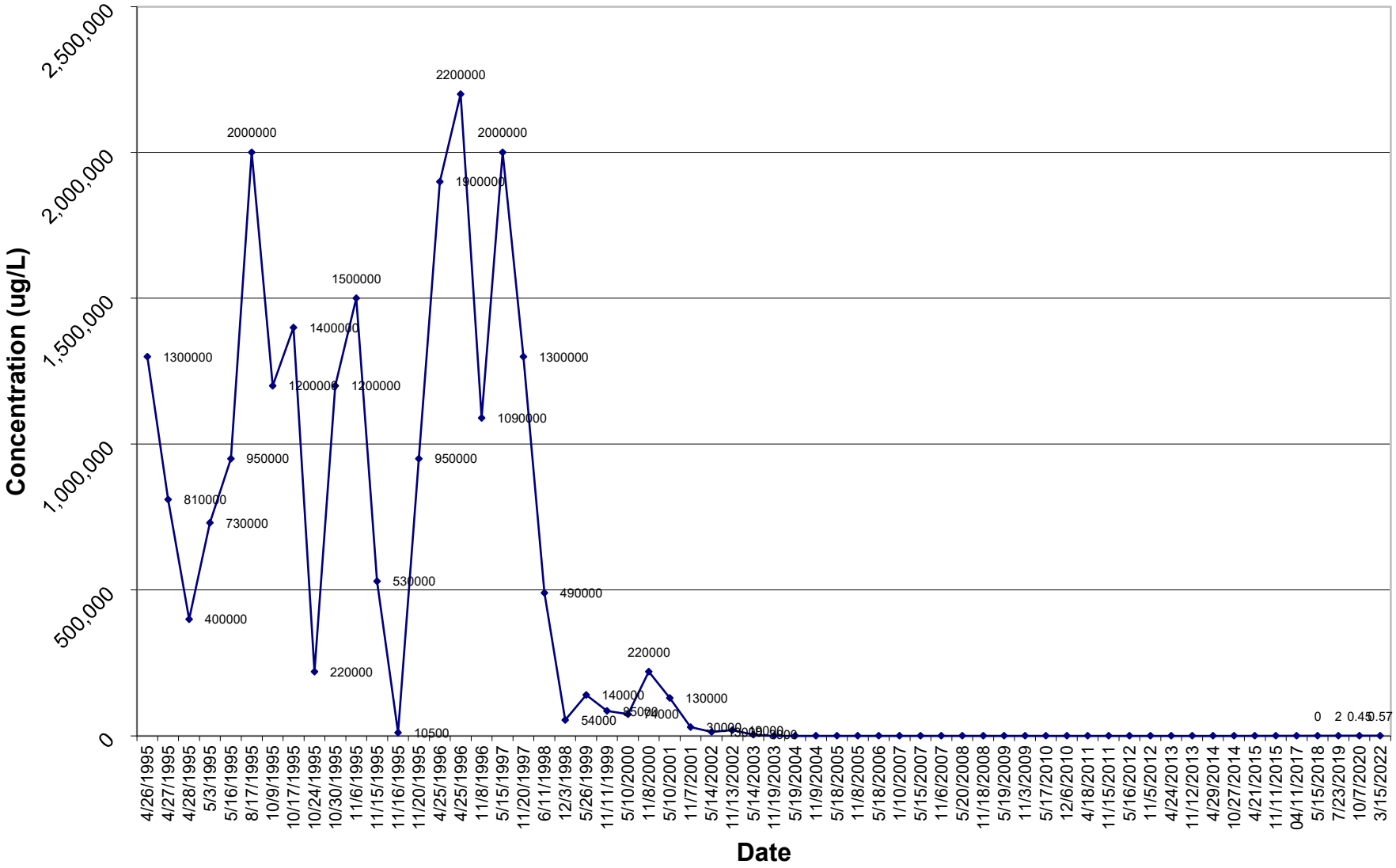
Methylene Chloride
(MW-06A, MW-06C, and MW-08)

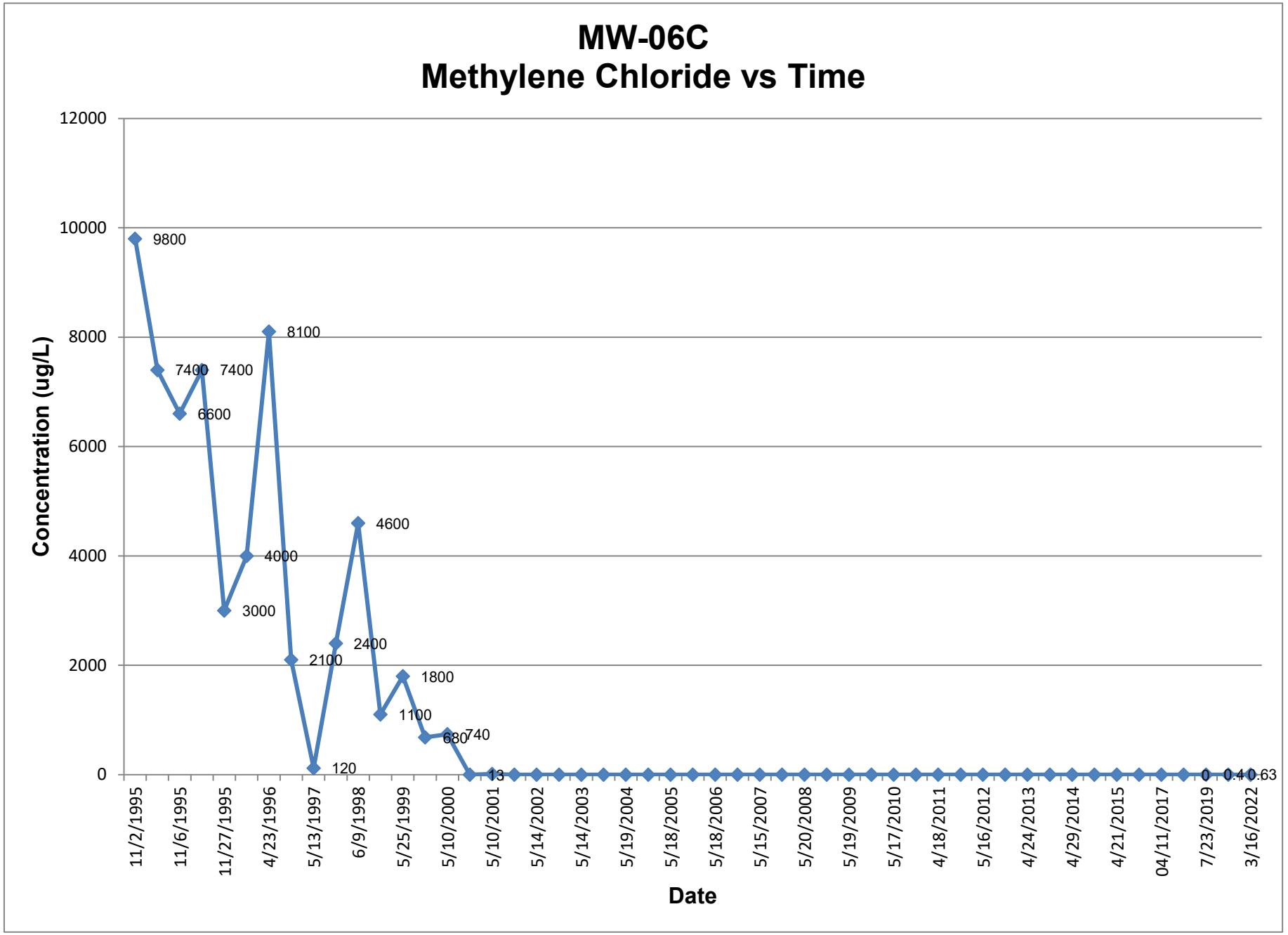
Trichloroethene
(MW-08)

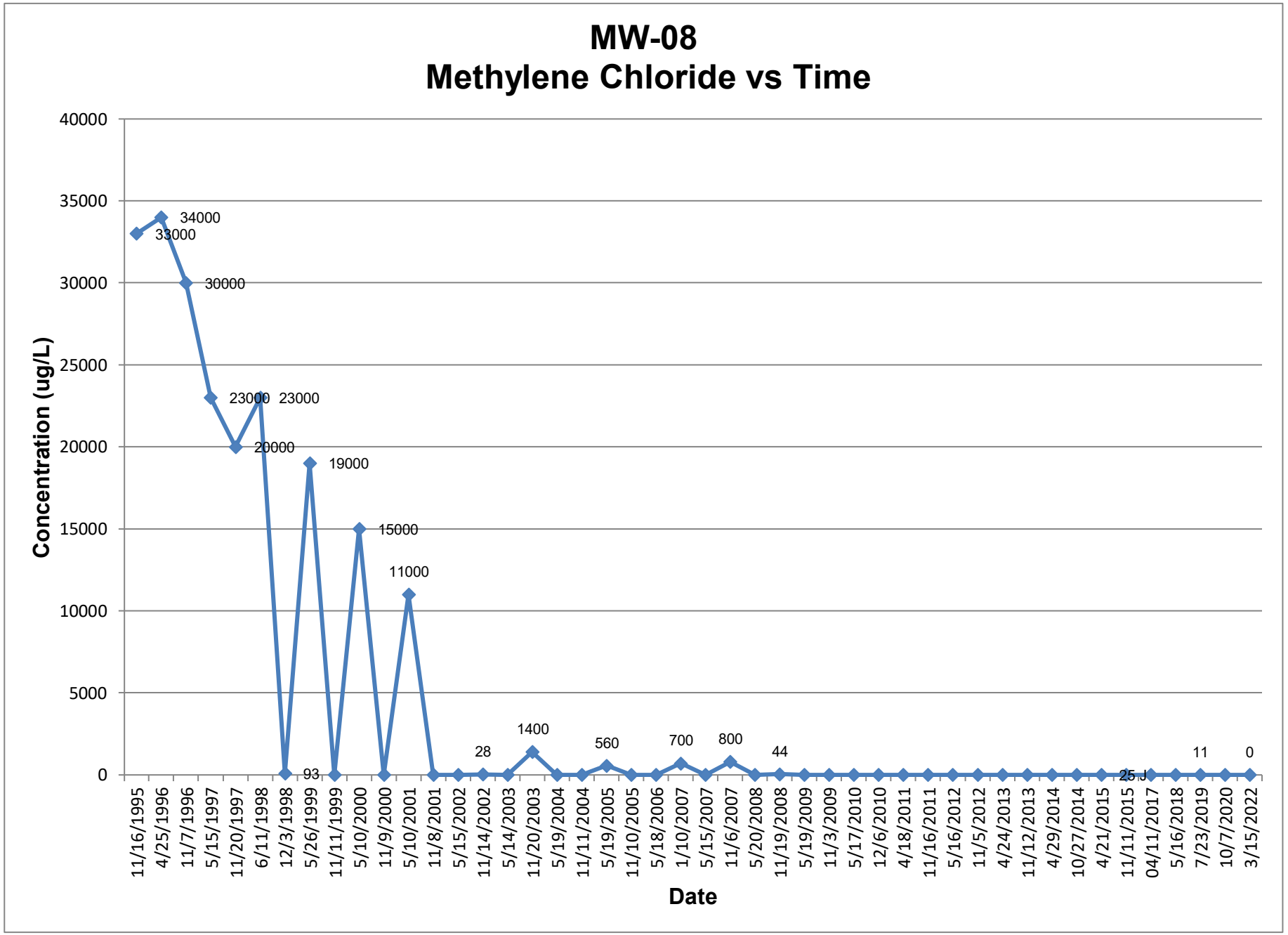
Cis-1,2-Dichloroethene
(MW-03C, MW-08, and SW-04)

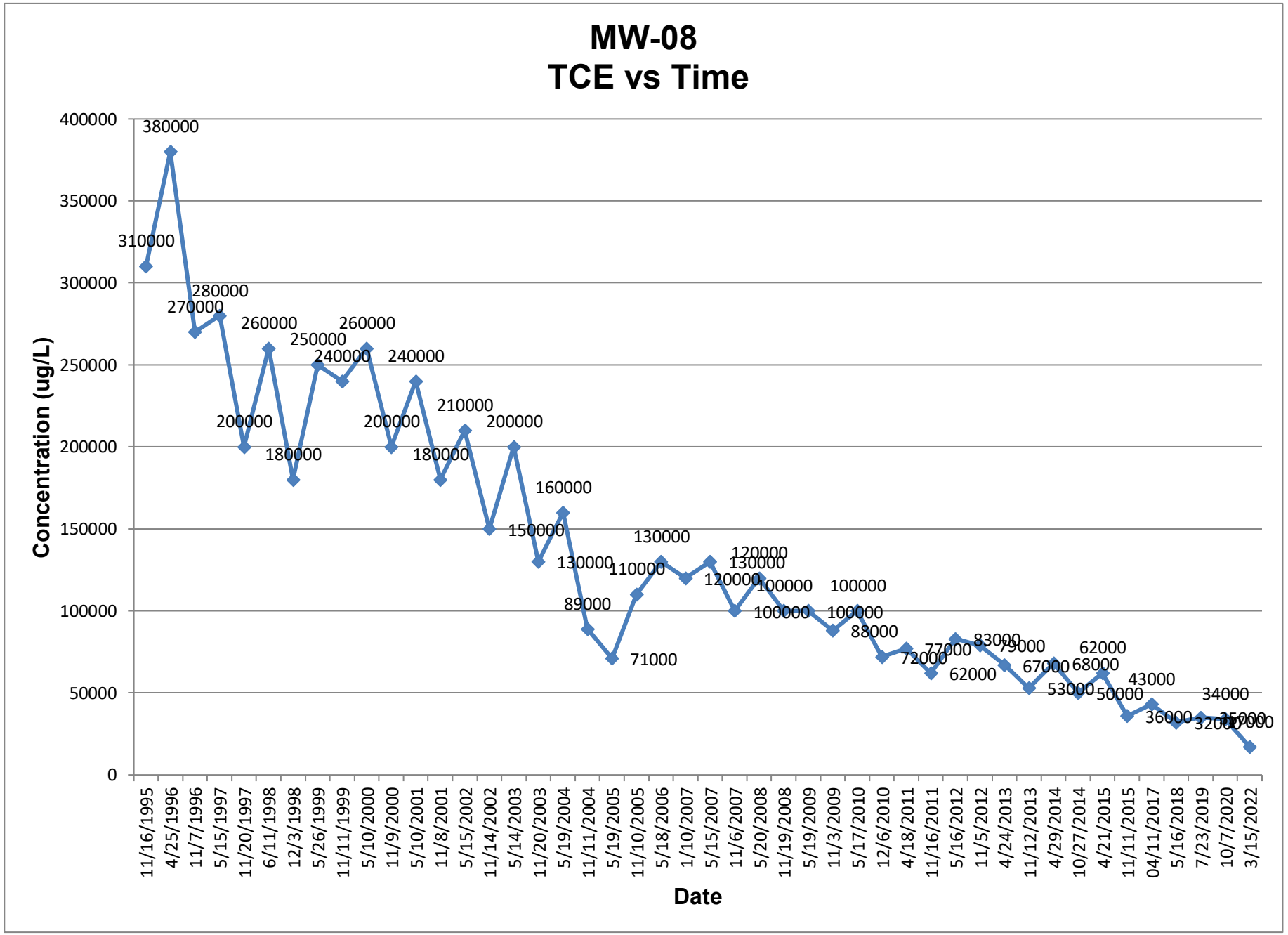
Vinyl Chloride
(MW-03C and MW-08)

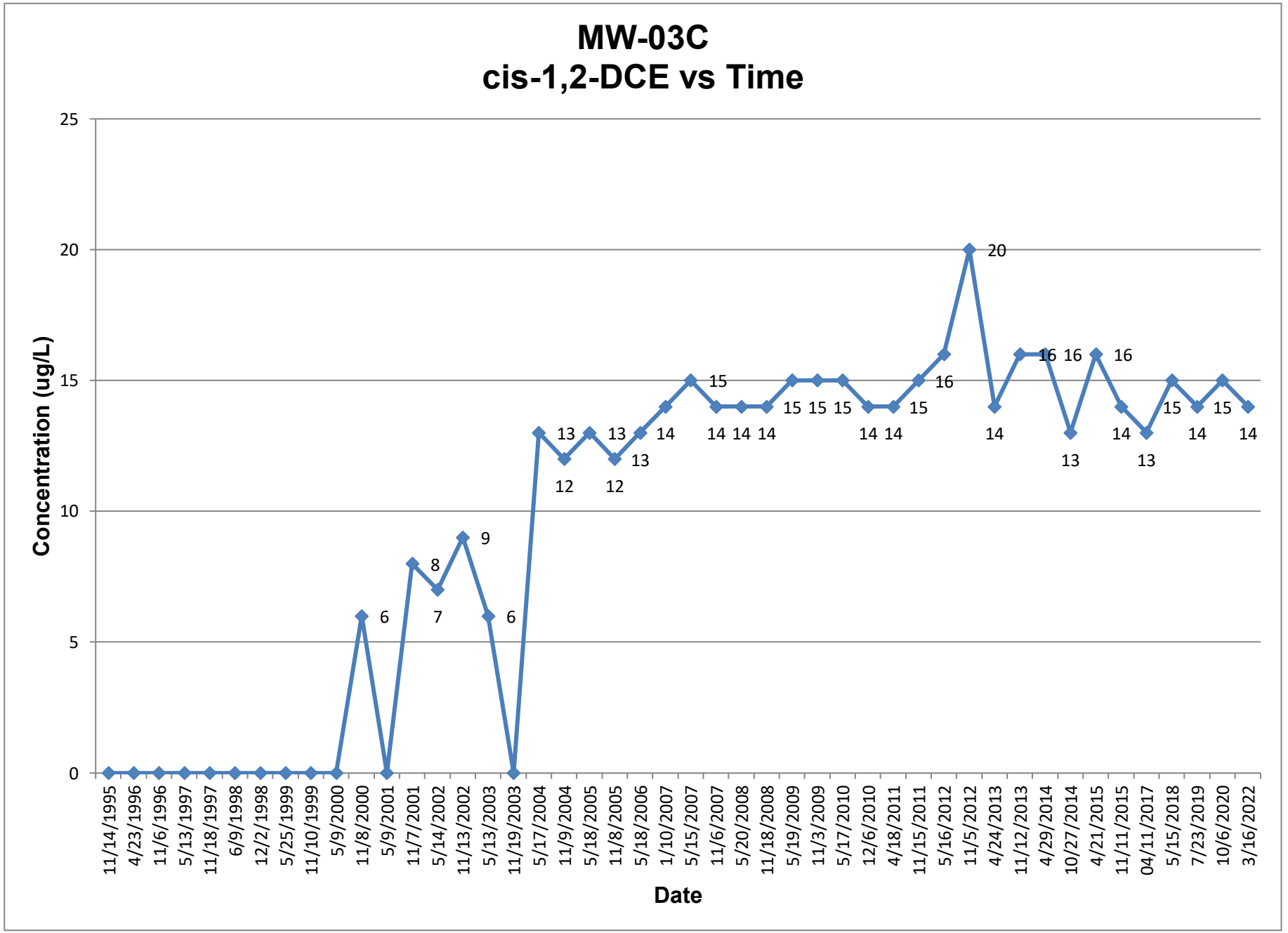
MW-06A
Methylene Chloride vs Time

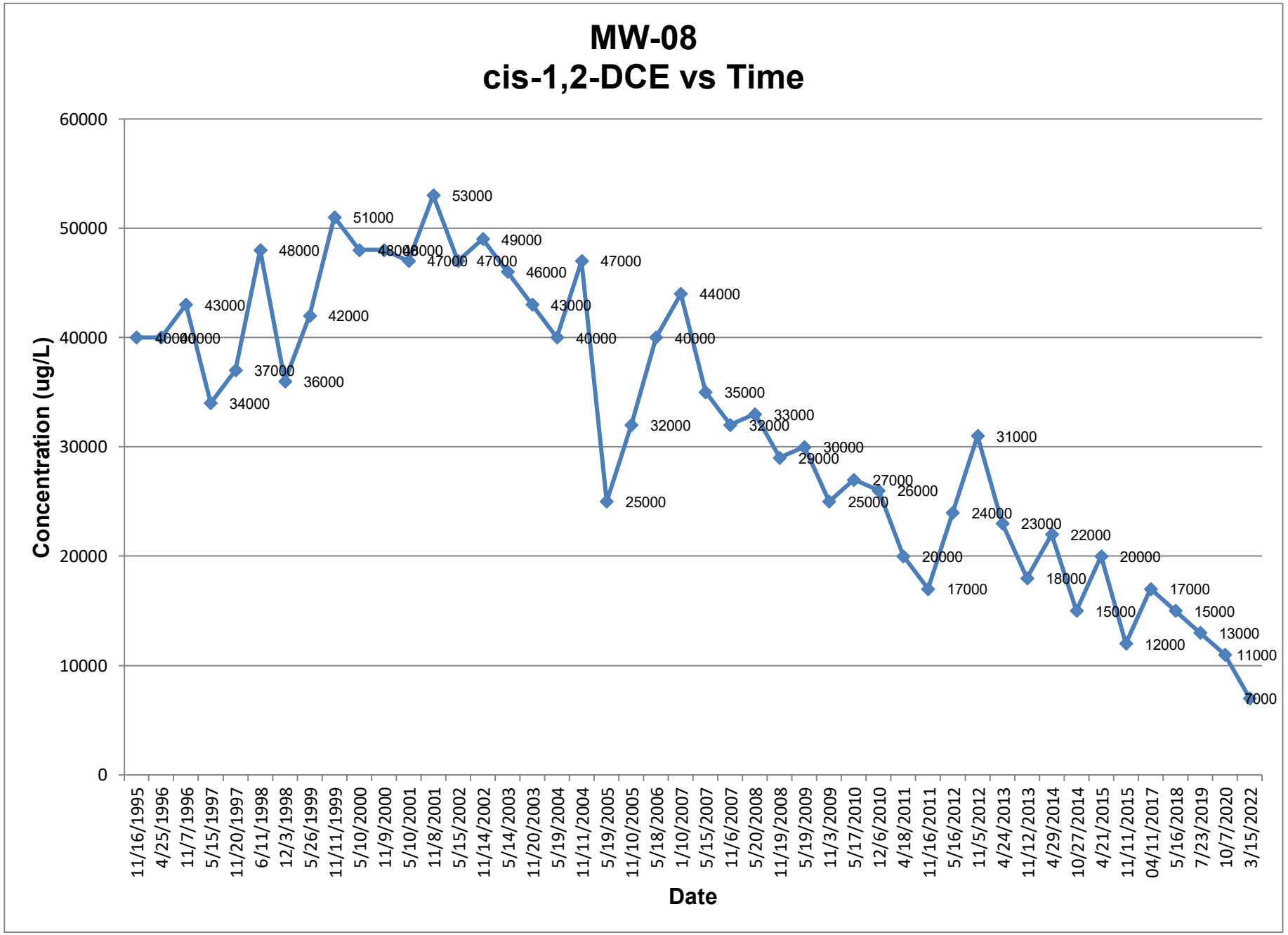


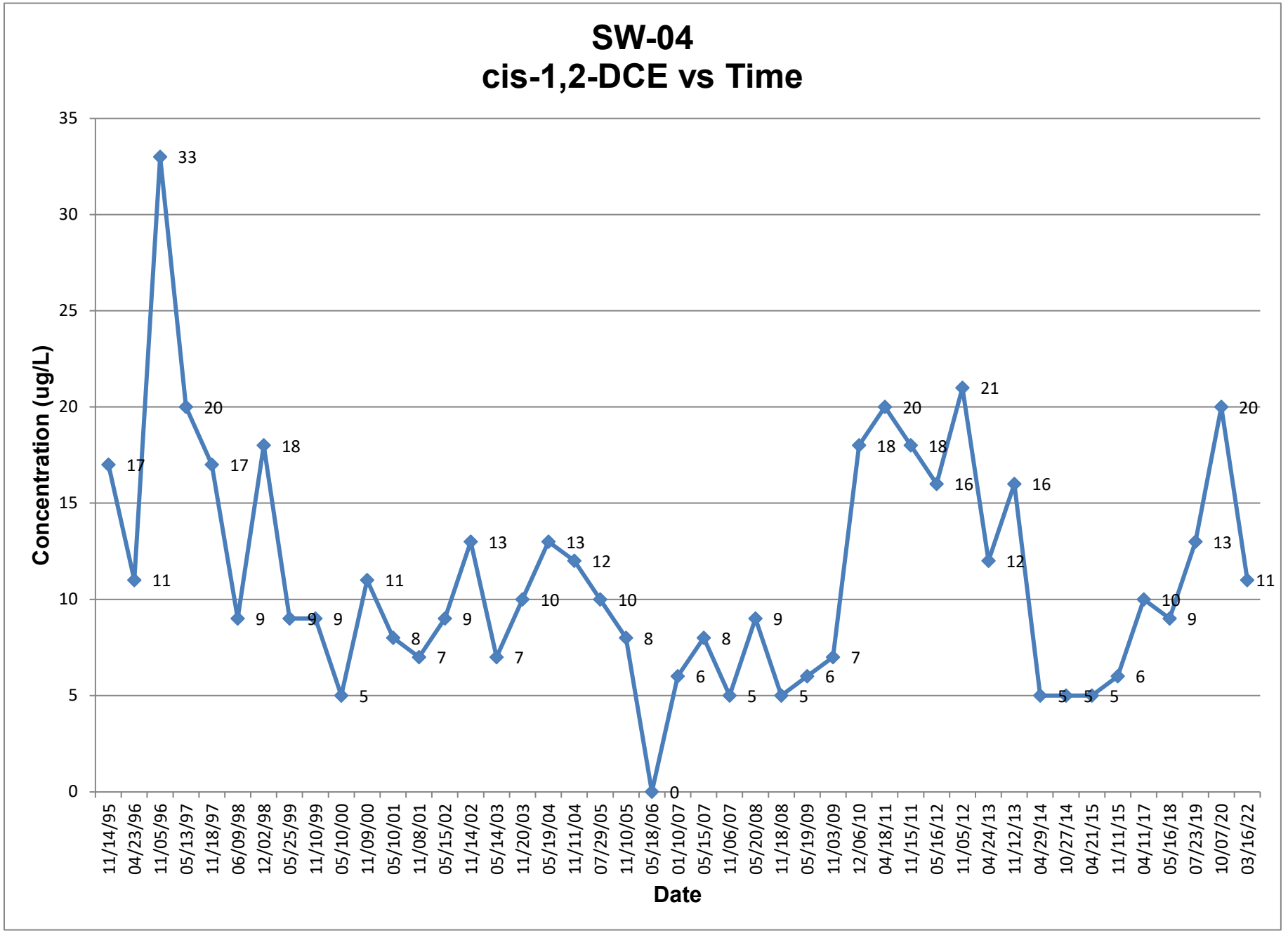

MW-06C
Methylene Chloride vs Time
Concentration (ug/L)
12000
10000
8000
6000
4000
2000
0
9800
7400
7400
6600
3000
4000
8100
2100
120
2400
4600
1100
1800
680
740
13
0
0.4
0.63
11/2/1995
11/6/1995
11/27/1995
4/23/1996
5/13/1997
6/9/1998
5/25/1999
5/10/2000
5/10/2001
5/14/2002
5/14/2003
5/19/2004
5/18/2005
5/18/2006
5/15/2007
5/20/2008
5/19/2009
5/17/2010
4/18/2011
5/16/2012
4/24/2013
4/29/2014
4/21/2015
04/11/2017
7/23/2019
3/16/2022
Date

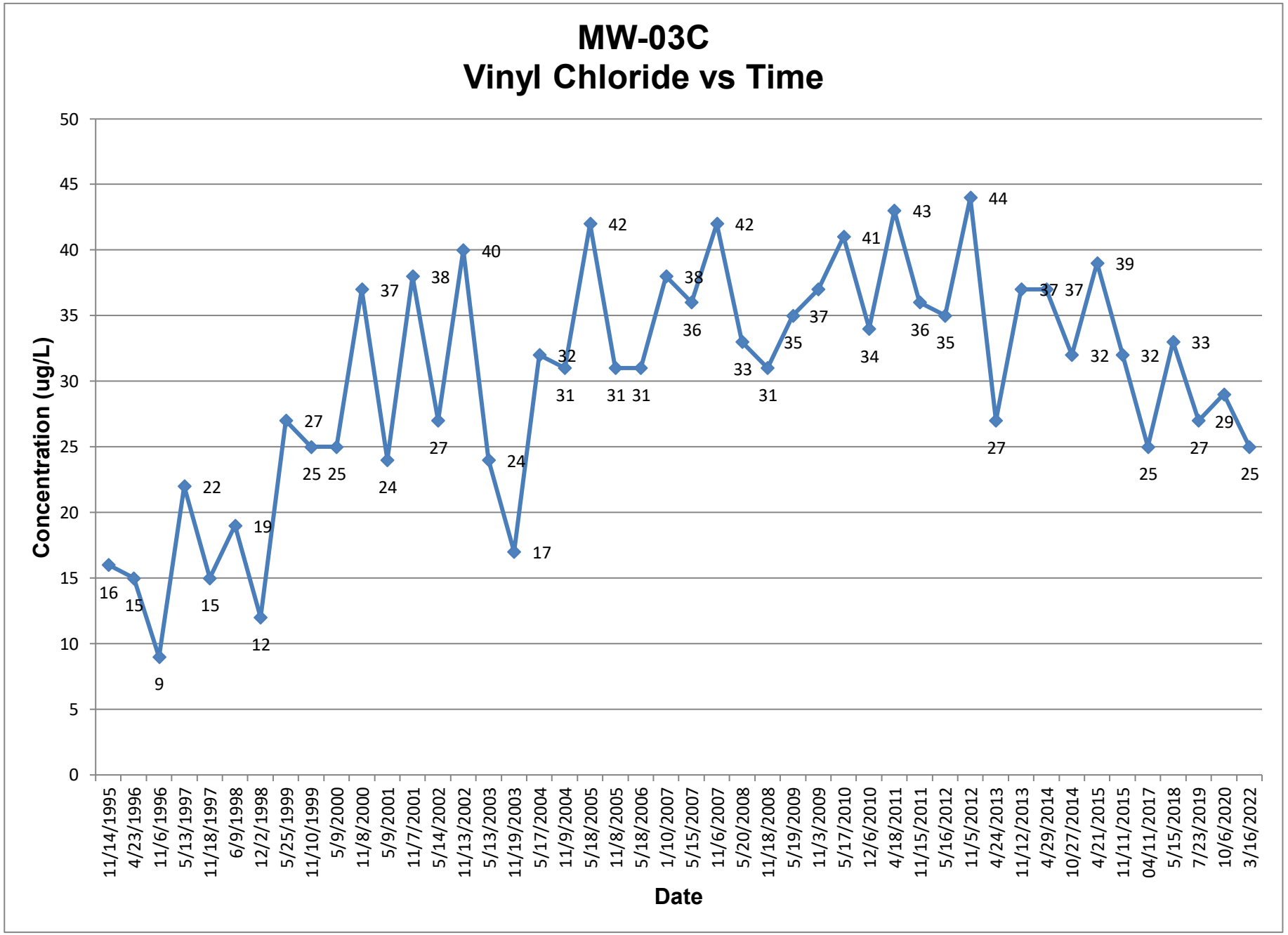

MW-08
Methylene Chloride vs Time
Concentration (ug/L)
Date
40000
35000
30000
25000
20000
15000
10000
5000
0
34000
33000
30000
23000
23000
20000
19000
93
15000
11000
28
1400
560
700
800
44
25 J
11
0
11/16/1995
4/25/1996
11/7/1996
5/15/1997
11/20/1997
6/11/1998
12/3/1998
5/26/1999
11/11/1999
5/10/2000
11/9/2000
5/10/2001
11/8/2001
5/15/2002
11/14/2002
5/14/2003
11/20/2003
5/19/2004
11/11/2004
5/19/2005
11/10/2005
5/18/2006
1/10/2007
5/15/2007
11/6/2007
5/20/2008
11/19/2008
5/19/2009
11/3/2009
5/17/2010
12/6/2010
4/18/2011
11/16/2011
5/16/2012
11/5/2012
4/24/2013
11/12/2013
4/29/2014
10/27/2014
4/21/2015
11/11/2015
04/11/2017
5/16/2018
7/23/2019
10/7/2020
3/15/2022


MW-08
TCE vs Time
Concentration (ug/L)
Date
400000
350000
300000
250000
200000
150000
100000
50000
0
380000
310000
280000
270000
260000
260000
250000
240000
240000
200000
200000
210000
180000
180000
200000
160000
150000
130000
130000
110000
89000
71000
120000
130000
120000
100000
100000
100000
100000
88000
77000
72000
83000
62000
79000
67000
62000
68000
53000
50000
43000
36000
34000
11/16/1995
4/25/1996
11/7/1996
5/15/1997
11/20/1997
6/11/1998
12/3/1998
5/26/1999
11/11/1999
5/10/2000
11/9/2000
5/10/2001
11/8/2001
5/15/2002
11/14/2002
5/14/2003
11/20/2003
5/19/2004
11/11/2004
5/19/2005
11/10/2005
5/18/2006
1/10/2007
5/15/2007
11/6/2007
5/20/2008
11/19/2008
5/19/2009
11/3/2009
5/17/2010
12/6/2010
4/18/2011
11/16/2011
5/16/2012
11/5/2012
4/24/2013
11/12/2013
4/29/2014
10/27/2014
4/21/2015
11/11/2015
04/11/2017
5/16/2018
7/23/2019
10/7/2020
3/15/2022


MW-03C
cis-1,2-DCE vs Time
Concentration (ug/L)
Date
0
5
10
15
20
25
11/14/1995
4/23/1996
11/6/1996
5/13/1997
11/18/1997
6/9/1998
12/2/1998
5/25/1999
11/10/1999
5/9/2000
11/8/2000
5/9/2001
11/7/2001
5/14/2002
11/13/2002
5/13/2003
11/19/2003
5/17/2004
11/9/2004
5/18/2005
11/8/2005
5/18/2006
1/10/2007
5/15/2007
11/6/2007
5/20/2008
11/18/2008
5/19/2009
11/3/2009
5/17/2010
12/6/2010
4/18/2011
11/15/2011
5/16/2012
11/5/2012
4/24/2013
11/12/2013
4/29/2014
10/27/2014
4/21/2015
11/11/2015
04/11/2017
5/15/2018
7/23/2019
10/6/2020
3/16/2022


MW-08
cis-1,2-DCE vs Time
Concentration (ug/L)
Date
60000
50000
40000
30000
20000
10000
0
11/16/1995
4/25/1996
11/7/1996
5/15/1997
11/20/1997
6/11/1998
12/3/1998
5/26/1999
11/11/1999
5/10/2000
11/9/2000
5/10/2001
11/8/2001
5/15/2002
11/14/2002
5/14/2003
11/20/2003
5/19/2004
11/11/2004
5/19/2005
11/10/2005
5/18/2006
1/10/2007
5/15/2007
11/6/2007
5/20/2008
11/19/2008
5/19/2009
11/3/2009
5/17/2010
12/6/2010
4/18/2011
11/16/2011
5/16/2012
11/5/2012
4/24/2013
11/12/2013
4/29/2014
10/27/2014
4/21/2015
11/11/2015
04/11/2017
5/16/2018
7/23/2019
10/7/2020
3/15/2022
40000
43000
34000
37000
48000
36000
42000
51000
48000
47000
53000
47000
49000
47000
46000
43000
40000
47000
25000
32000
40000
44000
35000
32000
33000
29000
30000
25000
27000
26000
20000
17000
24000
31000
23000
18000
22000
15000
20000
12000
17000
15000
13000
11000
7000


SW-04
cis-1,2-DCE vs Time
Concentration (ug/L)
Date
0
5
10
15
20
25
30
35
11/14/95
04/23/96
11/05/96
05/13/97
11/18/97
06/09/98
12/02/98
05/25/99
11/10/99
05/10/00
11/09/00
05/10/01
11/08/01
05/15/02
11/14/02
05/14/03
11/20/03
05/19/04
11/11/04
07/29/05
11/10/05
05/18/06
01/10/07
05/15/07
11/06/07
05/20/08
11/18/08
05/19/09
11/03/09
12/06/10
04/18/11
11/15/11
05/16/12
11/05/12
04/24/13
11/12/13
04/29/14
10/27/14
04/21/15
11/11/15
04/11/17
05/16/18
07/23/19
10/07/20
03/16/22
17
11
33
20
17
9
18
9
9
5
11
8
7
9
13
7
10
13
12
10
8
0
6
8
5
9
5
6
7
18
20
18
16
21
12
16
5
5
5
6
10
9
13
20
11


MW-03C
Vinyl Chloride vs Time
Concentration (ug/L)
Date
0
5
10
15
20
25
30
35
40
45
50
11/14/1995
4/23/1996
11/6/1996
5/13/1997
11/18/1997
6/9/1998
12/2/1998
5/25/1999
11/10/1999
5/9/2000
11/8/2000
5/9/2001
11/7/2001
5/14/2002
11/13/2002
5/13/2003
11/19/2003
5/17/2004
11/9/2004
5/18/2005
11/8/2005
5/18/2006
1/10/2007
5/15/2007
11/6/2007
5/20/2008
11/18/2008
5/19/2009
11/3/2009
5/17/2010
12/6/2010
4/18/2011
11/15/2011
5/16/2012
11/5/2012
4/24/2013
11/12/2013
4/29/2014
10/27/2014
4/21/2015
11/11/2015
04/11/2017
5/15/2018
7/23/2019
10/6/2020
3/16/2022
16
15
9
22
15
19
12
27
25
25
37
24
38
27
40
24
17
32
31
42
31
31
38
36
42
33
31
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37
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34
43
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44
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32
39
32
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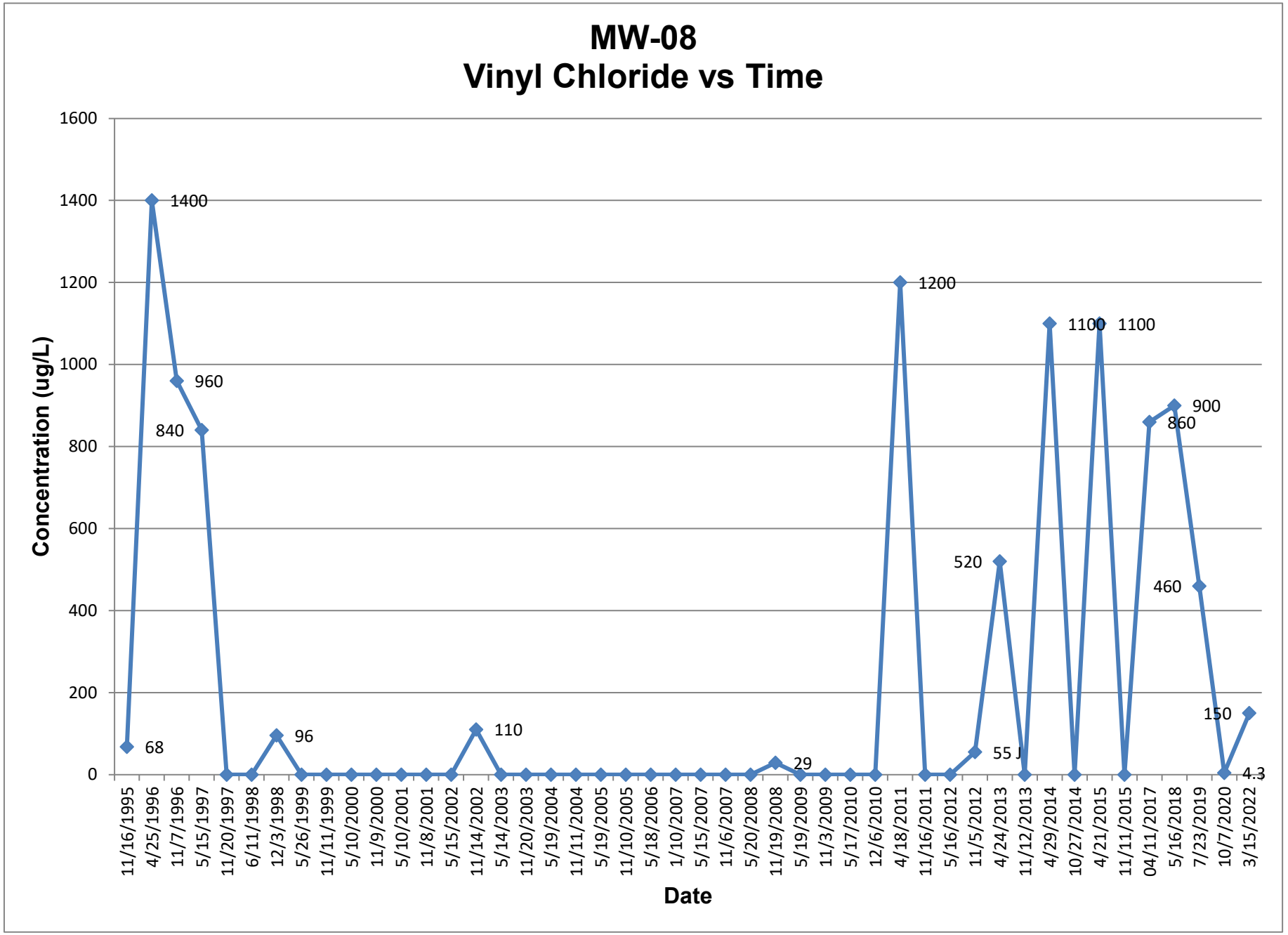
33
27
29
25


MW-08
Vinyl Chloride vs Time
Concentration (ug/L)
Date
1600
1400
1200
1000
800
600
400
200
0
68
1400
960
840
96
110
29
1200
520
55 J
1100
1100
900
860
460
150
4.3
11/16/1995
4/25/1996
11/7/1996
5/15/1997
11/20/1997
6/11/1998
12/3/1998
5/26/1999
11/11/1999
5/10/2000
11/9/2000
5/10/2001
11/8/2001
5/15/2002
11/14/2002
5/14/2003
11/20/2003
5/19/2004
11/11/2004
5/19/2005
11/10/2005
5/18/2006
1/10/2007
5/15/2007
11/6/2007
5/20/2008
11/19/2008
5/19/2009
11/3/2009
5/17/2010
12/6/2010
4/18/2011
11/16/2011
5/16/2012
11/5/2012
4/24/2013
11/12/2013
4/29/2014
10/27/2014
4/21/2015
11/11/2015
04/11/2017
5/16/2018
7/23/2019
10/7/2020
3/15/2022