BIOREMEDIATION PROGRAM
STATUS REPORT – MARCH 2022

Former Bell Aerospace Facility
Wheatfield, New York
NYSDEC Site No. 932052

Prepared for:

Textron Inc.
40 Westminster Street
Providence, Rhode Island 02903-6028

Prepared by:

Aptim Engineering New York, P.C.
500 Penn Center Boulevard, Suite 1000
Pittsburgh, Pennsylvania 15235

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Certification

I certify that I am a New York State-registered Professional Engineer and that this project prepared for Textron Inc. at the former Bell Aerospace Facility in Niagara County, Wheatfield, New York, is in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Donald Alfred Busch
Printed Name of Professional Engineer

Signature of Professional Engineer

Registration Number: 066655
State: New York
Company: Aptim Engineering New York, P.C.
Company Registration Number: 1352905

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List of Acronyms & Abbreviations

3DME®	3D Microemulsion® Factory Emulsified
µg/L	micrograms per liter
APTIM	Aptim Engineering New York, P.C.
COC	contaminant of concern
CRS®	Chemical Reducing Solution®
CVOC	chlorinated volatile organic compound
DCE	dichloroethene
DO	dissolved oxygen
GPS	Groundwater Protection Standard
ISB	in situ bioremediation
ISCR	in situ chemical reduction
MDB-1™	bioaugmentation culture MDB-1™
mg/L	milligram per liter
mV	millivolts
ORP	oxidation-reduction potential
SDC-9™	bioaugmentation culture SDC-9™
S-MicroZVI	sulfonated micro scale ZVI
s.u.	standard units
TCE	trichloroethene
VC	vinyl chloride
VOC	volatile organic compound
ZVI	zero valent iron

1.0 Introduction

Aptim Engineering New York, P.C. (APTIM) has prepared this Bioremediation Program Status Report for the former Bell Aerospace Facility in Wheatfield, New York, (the site) on behalf of Textron Inc. This report discusses the November 2021 Supplemental Injections and the March 2022 sampling event; it also provides a groundwater evaluation compared to previous sampling events associated with the Bioremediation Program. The site location and study area are shown on Figure 1.

The objectives of the Bioremediation Program include the following:

1. To accelerate the anaerobic degradation of dissolved-phase chlorinated volatile organic compounds (CVOCs) through biological and abiotic degradation pathways and
2. To facilitate permanent shutdown of the groundwater extraction system within the Zone 1 water-bearing unit.

The targeted area for this treatment program is the lower Zone 1 fractured-rock water-bearing unit within the capture area of the existing On-Site Groundwater Treatment System (north of Niagara Falls Boulevard and west of Walmore Road). Attainment of these objectives is measured via the reduction of the groundwater CVOC concentrations in selected Zone 1 monitoring wells. Groundwater contamination has not been observed downgradient of the former Neutralization Pond in the overburden glacial sediments, above bedrock Zone 1, or in the lower bedrock zones, and therefore, treatment is confined to Zone 1.

To accelerate the anaerobic degradation of dissolved-phase CVOCs in groundwater, two separate reaction pathways are being used—in situ bioremediation (ISB) and abiotic in situ chemical reduction (ISCR) using ferrous iron and sulfonated nano-scale zero valent iron (ZVI). During the biological degradation process, called reductive dechlorination, trichloroethene (TCE) serves as an electron acceptor, and chlorine atoms are sequentially replaced by protons to yield cis-1,2-dichloroethene (DCE), vinyl chloride (VC), and ethene as daughter products. A common observation is that TCE is reductively dechlorinated under relatively mild reducing conditions (e.g., sulfate-reducing conditions), whereas reductive dechlorination of cis-1,2-DCE and VC requires increasingly stronger reducing conditions (e.g., methanogenic conditions). This process is detailed in Appendix A.

The second pathway uses abiotic ISCR processes that utilize sulfide from the reduced sulfate in the groundwater which combines with the ferrous iron to form iron sulfide compounds. Additionally, an ISCR process that uses an injectable iron product, sulfonated nano-scale ZVI, was implemented at the site. Both iron products can react and degrade chlorinated ethenes to ethene

and acetylene. The advantage of the abiotic pathways is that they can degrade the elevated levels of site contaminants of concern (COCs) without inhibition which may reduce the degradation rates of biological reactions. Another advantage of this degradation pathway is that it does not produce the biological daughter products cis-1,2-DCE or VC but goes directly from TCE to ethene and acetylene. At this time, acetylene is not collected as part of the sampling analysis because it is utilized quickly by the microbes in the groundwater as a carbon source and is rarely seen in the field. This process is also detailed in Appendix A.

Methylene chloride is also present at this site and can be degraded both aerobically and anaerobically. Biodegradation of methylene chloride is completed by a variety of bacterial species. Methylene chloride can be utilized as a sole carbon and energy source under both aerobic and anaerobic conditions by several organisms within contaminated environments. The majority of the known methylene chloride degraders are aerobic methylotrophic bacteria; however, some bacteria can degrade it anaerobically, in which methylene chloride is transformed to methane, carbon dioxide, and acetate.

Implementation of ISB and abiotic treatment to enhance the degradation of dissolved-phase CVOCs was completed in three separate injections:

- In November 2017, an ISB treatment was conducted adjacent to the former Neutralization Pond and the on-site area extending hydraulically downgradient to the south. During this treatment, a mixture of 3D Microemulsion® Factory Emulsified, Chemical Reducing Solution® (CRS®), and the bioaugmentation culture SDC-9™ (SDC-9™) was injected into the groundwater.
- In October 2019, a more robust combination of ISCR and ISB treatment was conducted in a focused area containing the highest concentrations of CVOCs. During this supplemental injection, CRS®, sulfonated micro scale ZVI (S-MicroZVI), and 3D Microemulsion® Factory Emulsified (3DME®), CRS®, and SDC-9™ were injected into the groundwater.
- In November 2021, a focused ISCR treatment using S-MicroZVI was conducted where the highest concentrations of CVOCs were located, near the former Neutralization Pond. In the area of lower concentrations, 3DME® and the microbial cultures SDC-9™ and MDB-1™ were injected into the groundwater.

The evaluation of groundwater data for the degradation of chlorinated compounds is conducted in three primary groups—contaminant trends, geochemical groundwater conditions, and microbial analysis—and is broken down by multiple lines of evidence, including:

- Decreasing concentrations of parent compounds, primarily TCE
- Increasing and subsequently decreasing concentrations of daughter products cis-1,2-DCE and VC as an indicator of enhanced reductive dechlorination

- Increasing concentrations of ethene and ethane, indicating complete reductive dechlorination to the non-toxic end products
- Decreasing oxidation-reduction potential (ORP), indicating reducing conditions favorable for reductive dechlorination
- Decreasing dissolved oxygen (DO) levels indicative of anaerobic conditions
- Decreasing sulfate concentrations as evidence of reducing conditions and elimination of competing electron receptors, and the formation of sulfide to bind with the ferrous iron

After the supplemental injection, groundwater samples were collected to evaluate the Bioremediation Program as shown on Table 1, Table 2, and Figure 2 during the March 2022 sampling event.

2.0 Supplemental Groundwater Treatment – November 2021

In November 2021 a second supplemental injection of in situ remediation amendments was conducted in wells shown on Figure 3. This supplemental injection focused on providing carbon to support microbial activity and abiotic degradation pathways to reduce CVOCs in the area of the highest concentrations. The cis-1,2-DCE plume contours encompass these high CVOCs areas and were used for the design of treatment areas. A carbon amendment, 3DME®, was injected into the northern area to aid in keeping the groundwater in the reduced state needed to stimulate biotic degradation of CVOCs. In this area, microbial cultures SDC-9™ and MDB-1™ were injected to supplement the naturally occurring bacterial population within the treatment area. In the area where CVOCs are very high and cis-1,2-DCE is observed above 100,000 micrograms per liter (µg/L), biological activity may be inhibited by these levels; therefore, S-MicroZVI™ was injected to abiotically degrade the contaminants. In this area, the abiotic iron-based amendment S-MicroZVI™ was injected to reduce the contaminant levels to those favorable for continued biological degradation. S-MicroZVI™ is a reactive iron species (zero valent iron) which will degrade contaminants and create reduced groundwater conditions to reduce sulfate to sulfide and provide another abiotic degradation pathway for the CVOCs. Also, the S-MicroZVI™ is mixed with a small amount of carbon source to make it more injectable and will support ongoing microbial activity. These amendments will provide the carbon source to maximize the benefits from the combined biological and abiotic processes to reduce all the site COCs.

A total of four injection points were expected to be used for the delivery of the ISB amendments and two points for the injection of ISCR amendments. The total required quantities of 3DME®, S-MicroZVI™, SDC-9™ and MDB-1™ were injected into the subsurface. However, due to the tight lithology, not all wells planned for this injection would accept the required volume and the remaining volume was added into other injection wells as shown on Table 3. Approximately four months after the supplemental injection in November 2021, groundwater samples were collected in March 2022. Groundwater trends are discussed in the following sections.

3.0 Groundwater Sampling

Groundwater samples were collected from 32 wells, which included 23 wells in the Bioremediation Program monitoring well network and 9 additional wells chosen in the Bioremediation Program Work Plan, Supplemental Injection 2021 (APTIM, 2021) as shown in Table 1 and on Figure 2. The analytical parameters and methods used for samples collected in March 2022 are shown in Table 2. The results of the volatile organic compound (VOC) and biological parameter analyses are presented in Table 4. Elevated detection limits are observed for many compounds and are caused by the dilution of the samples to bring the primary contaminant compounds into calibration range.

Low flow sampling techniques continue to be used through the March 2022 sampling event. Groundwater quality parameters were measured in the field during the purging process to aid in evaluating the geochemistry of the groundwater in the treatment area as shown in Table 2.

4.0 Groundwater Evaluation

4.1 Wells Associated with the 2019 and 2021 ISB and ISCR Injections

In the Bioremediation Program Work Plan, Supplemental Injection 2021, 9 of the 32 wells, were chosen to evaluate the most recent injections as shown in Table 1. The six injection wells were also sampled to evaluate the biological degradation and abiotic reactions occurring in these wells. Three wells associated with the Supplemental injections since 2017 and are also sampled and are discussed below.

4.1.1 Contaminant Trends

As TCE is reduced, areas of impacted groundwater have fluctuated and the areas of higher concentrations have decreased, which is the goal of the supplemental injections as shown. The overall intensity of the groundwater impacts within the treatment area has decreased since the initiation of the Bioremediation Program in 2017. For the evaluation of data associated with the 2019 and 2021 ISB and ISCR injections, the March 2019 data are used as the baseline per the work plan (APTIM, 2019)[1]. The changes in TCE and the daughter products cis-1,2-DCE, VC, and ethene and the COC methylene chloride can be seen from 2017 to 2022 in Figures 4, 5, 6, 7, and 8, respectively. Concentration trends are provided in Appendix B.

4.1.1.1 Injection Wells

Concentration trends for the injection wells are provided in Appendix B, Graphs 1 through 6.

Monitoring Well DW-9 is located north of the former Neutralization Pond and was proposed as an injection well as shown on Figure 3; however, the amendments daylighted immediately and the well could not be used. Although the amendments could not be injected in November 2021, concentrations of all COCs decreased and in March 2021, only TCE was detected above its MCL of 5 µg/L at 6 µg/L. Prior to the 2021 injections, COCs increased to the highest levels observed at this well, in October 2021. This same pattern was observed after the August 2019 injections between January and August 2020 as shown in Appendix B, Graph 1, and future sampling will determine if the reductions observed in March 2022 will continue over time.

Monitoring Well 19-01(1) is located in the center of the former Neutralization Pond and was used as an injection well in November 2021 as shown on Figure 3. This well received both 3DME® and S-MicroZVI, and as expected, concentrations decreased. This well was last sampled in August 2019, when it was installed, and TCE concentrations have decreased from 5,400 µg/L to below the detection limit of 20 µg/L in March 2022. Cis-1,2-DCE and VC concentrations also decreased

[1] Aptim Engineering New York, P.C., August 2019. "Bioremediation Program Work Plan-Supplemental Injection," Former Bell Aerospace Textron Facility, Wheatfield, New York.

from 15,000 to 130 µg/L and 5,800 to 1,300 µg/L, respectively, between August 2019 and March 2022. The final abiotic and biotic degradation product, ethene, was also observed at an elevated level of 2,000 µg/L in March 2022. Methylene chloride reduced from 1,900 to 160 µg/L during the same time period. A reduction in TCE, cis-1,2-DCE, and VC along with an increase in ethene suggest that the abiotic degradation is the primary pathway of contaminate reduction in this well.

Monitoring Well 87-14(1) was also used as an injection well in November 2021 as shown on Figure 3 and received 3DME® along with the microbial cultures SDC-9™ and MDB-1™. The most recent sampling conducted prior to March 2022 was in December 2018 and TCE concentrations have decreased from 56,000 µg/L to below the detection limit of 800 µg/L in March 2022. A decrease was also observed in cis-1,2-DCE from 30,000 µg/L in December 2018 to 1,400 µg/L in March 2022. Methylene chloride reduced from 54,000 to 3,900 µg/L during the same time period. An increase in VC was observed from 8,200 to 33,000 µg/L between 2018 and 2022 and ethene was observed at an elevated level of 6,100 µg/L in March 2022. The decrease in TCE and cis-1,2-DCE with an increase in VC and elevated levels of ethene indicate that reductive dechlorination is occurring. Future sampling will aid in determining if these trends continue.

Well DW-10 is located on the eastern side of the supplemental injection area as shown on Figure 3 and received 3DME® along with the microbial cultures SDC-9™ and MDB-1™. The highest concentrations are of methylene chloride as shown in Appendix B, Graph 4. Concentrations of methylene chloride have continued to fluctuate from 160,000 µg/L in March 2021 to below the detection limit of 10 µg/L in October 2021 and then increased to 160,000 µg/L in March 2022. The same pattern was observed for TCE, cis-1,2-DCE, VC, and ethene. The fluctuations in COCs suggest that changes may be seasonal; however, the injections directly into this well are expected to decrease concentrations. Future sampling will aid in determining if these trends continue.

Monitoring Well 87-13(1) is located downgradient of the former Neutralization Pond and has historically been in the center of the highest concentrations with TCE, cis-1,2-DCE, and methylene chloride at levels above 10,000 µg/L since 2018 as shown on Figure 3. Due to the high concentrations, the abiotic amendment S-MicroZVI was injected into this well in November 2021. Since the total volume of 3DME® was not able to be injected into Well 17-05 due to daylighting, part of the remaining volume was injection into this well. After the first supplemental injections in 2019, TCE levels increased from 200,000 to 350,000 µg/L and cis-1,2-DCE increased from 160,000 to 250,000 µg/L between March 2019 to March 2021 (Appendix B, Graph 5). In October 2021, concentrations of TCE and cis-12-DCE began to decrease and after the November 2021 supplemental injections, these compounds reduced to 210 and 510 µg/L in March 2022, respectively. VC, which was below the elevated detection limit of 8,000 µg/L in March 2020, continues to be below the detection limit of 200 µg/L in March 2022. The decrease in these compounds, without an increase in reductive dechlorination daughter products, suggests that the degradation observed is due to the abiotic groundwater treatments. The final degradation product,

ethene, has increased from 260 to 5,800 µg/L between March 2021 to March 2022, and indicates that the chlorinated ethenes are being reduced, either by biological or abiotic processes. Methylene chloride concentrations have also decreased since 2021 and have reduced from 570,000 µg/L in March 2021 to 8,500 µg/L in March 2022.

Monitoring Well 17-05(1) is also located in the area of the highest concentrations as shown on Figure 3 and was used as an injection well in November 2021. The abiotic amendment S-MicroZVI and the biotic 3DME® were to be injected; however, due to daylighting, only about 7 percent of the volume was added and the remaining amounts were spread into 87-13(1) and 19-01(1). TCE has decreased from 6,500 µg/L in December 2018 to below the detection limit of 100 µg/L in March 2022 (Appendix B, Graph 6). The degradation product cis-1,2-DCE, also decreased from 6,100 µg/L in December 2018 to 2,700 in March 2022. The daughter product VC increased from 910 µg/L to 1,700 µg/L over the same time frame and ethene was detected at 1,800 µg/L in March 2022, suggesting that reductive dechlorination is occurring. Methylene chloride also increased from 1,300 to 8,200 µg/L in the same time frame. Future sampling will aid in determining trends and if the recent injections have influence on the COC concentrations.

4.1.1.2 Monitoring Wells to Evaluate Injection

Concentration trends for wells to evaluate the supplemental injections are provided in Appendix B, Graphs 7 through 18.

Monitoring Well 87-15(1) is located on the northwest side of the plume, west of DW-9, and was last sampled in December 2018. Since 2018, COC concentrations have decreased with the most notable being methylene chloride and cis-1,2-DCE, decreasing from 1,400 to 64 µg/L and 1,200 µg/L to below the detection limit of 20 µg/L in March 2022 (Appendix B, Graph 7). During the same timeframe, VC also decreased from 370 µg/L to 21 µg/L. Although this well has not been sampled since 2018, the large decrease in concentrations is expected as this well was used as an injection well during the 2019 supplemental injections. Future sampling will aid in determining trends and if the recent injections have influence on the COC concentrations.

Monitoring Well 87-08(1) is located on the north side of the plume, east of injection Well DW-9 and north of injection Well 87-14. The Bioremediation Program has focused on groundwater slightly downgradient of this well, and concentrations have fluctuated since 2017 with a large spike of all the COCs in August 2020, as shown on Appendix B, Graph 8. In March 2022, TCE was observed at 16 µg/L. The degradation products cis-1,2-DCE and VC were slightly increased at 2,220 µg/L and 950 µg/L, respectively, in March 2022.

Monitoring Well B-10A(1) is located on the west side of the Neutralization Pond, and was within the area of influence of the November 2021 supplemental injections from DW-09 and 19-01(1). After the 2019 supplemental injections, TCE decreased from 34,000 µg/L in March 2019 to

5,900 µg/L in January 2020 and then increased to 18,000 µg/L in March 2021. After the November 2021 injections, TCE had decreased from 18,000 µg/L to 460 J µg/L in March 2022, the lowest level observed at this well. The degradation daughter product, cis-1,2-DCE, reduced from 70,000 µg/L in January 2018 to 31,000 µg/L in December 2018 and has remained stable since that time; it was observed at 30,000 µg/L in March 2022. Although cis-1,2-DCE has remained stable, VC has increased from 2,800 µg/L in March 2021 to 13,000 µg/L in March 2022 after the 2021 supplemental injections. During the same time period, ethene has also increased from 180 µg/L in March 2021 to 2,200 µg/L in March 2022, indicating that complete degradation is occurring. Methylene chloride has decreased from 6,000 µg/L in November 2017 to 1,200 µg/L in March 2019 and then increased to 5,100 µg/L in August 2020. Since March 2021, methylene chloride reduced again and is currently below the detection limit of 500 µg/L in March 2022. These patterns can be observed in Appendix B, Graph 9.

Monitoring Well 87-11(1) is located on the north side of the plume and was last sampled in March 2019. Since 2017, COC concentrations have decreased and TCE reduced from 1,500 to 480 µg/L in March 2022. The same patterns have been observed for cis-1,2-DCE, VC, and methylene chloride as shown in Appendix B, Graph 10. Future sampling will aid in determining trends and whether the recent injections have influence the COC concentrations.

Monitoring Well 87-04(1) is located near and to the east of injection Well DW-10. At this well, elevated concentrations of methylene chloride have caused an increase to the detection limit to 2,500 µg/L for other COCs since 2020. After the 2021 injections, methylene chloride concentrations have decreased from 83,000 µg/L to 16,000 µg/L between October 2021 and March 2022. During the same timeframe, TCE has decreased from 1,400 J µg/L to 510 µg/L and cis-1,2-DCE decreased from 2,400 J µg/L in March 2021 to 860 µg/L in March 2022. These patterns can be observed in Appendix B, Graph 11. Future sampling will determine if the decreases in methylene chloride, TCE, and cis-1,2-DCE continue after the 2021 injections.

Monitoring Well 89-15(1) is located south of injection location DW-10 and outside the primary area of influence. At this well, TCE and cis-1,2-DCE levels have fluctuated since 2017 as shown in Appendix B, Graph 12. TCE has decreased from 8,400 µg/L in March 2019 to 2,000 µg/L in March 2021 and increased to 2,300 µg/L in October 2021 and then decreased to 1,500 µg/L in March 2022. The same trend for cis-1,2-DCE was observed as concentrations fluctuated from 7,000 µg/L in March 2019 to 5,900 µg/L in October 2021 and to 9,000 µg/L in March 2022. VC is also present, which indicates that biological degradation is occurring. The final degradation product through either biological or abiotic processes, ethene, continues to be elevated at this well and was observed at 920 µg/L in March 2022. Although methylene chloride decreased to 7,700 µg/L in August 2021, concentrations have increased again and was observed at 33,000 µg/L in March 2022 as shown on Table 4.

Monitoring Well 17-04(1) is located east of injection Well 87-13 in the area of the highest concentrations and was last sampled in December 2018 prior to the March 2022 sampling event. In March 2022, the detection limit for most compounds was 10,000 µg/L due to the elevated levels and only TCE and cis-1,2-DCE were observed above this level. Since December 2018, TCE has decreased from 170,000 µg/L to 12,000 µg/L in March 2022. An increase in cis-1,2-DCE has been observed from 180,000 µg/L in December 2018 to 620,000 µg/L in March 2022. These patterns can be observed in Appendix B, Graph 13. The decrease in TCE and increase in cis-1,2-DCE suggest reductive dechlorination is occurring; however, future data will aid in determining trends and if the recent injections have influenced the COC concentrations.

Monitoring Well 17-01(1) was used as an injection location in 2017 and is located downgradient of the 2021 injection wells, DW-10, 17-05(1) and 87-13(1). TCE at this well increased from an estimated value of 3.9 µg/L during the baseline sampling in 2017 to 46,000 µg/L in January 2019. After the 2019 supplemental injections, TCE decreased to 28,000 µg/L in August 2020 and then rebounded to the highest level observed at this well, at 86,000 µg/L in October 2021 and has decreased again after the 2021 supplemental injections to 67,000 µg/L in March 2022. During the same time, cis-1,2-DCE fluctuated from 9,100 µg/L to 6,400 µg/L to 17,000 µg/L to 10,000 µg/L in between January 2020 and March 2022 as shown in Appendix B, Graph 14. The same pattern was also observed for methylene chloride. These data suggest that the decreases in COCs after the supplemental injections are aiding in decreasing concentrations downgradient.

Monitoring Well 87-05(1) is located directly south of injection Wells 17-05(1) and 87-13(1). At this well, TCE concentrations have decreased from 1,300 µg/L in March 2017 to 25 µg/L in March 2022. Concentrations of cis-1,2-DCE increased between 2017 and 2018 from 6,900 to 7,200 µg/L and then decreased to 200 µg/L in March 2022. The same pattern was also observed for VC, from 460 µg/L to 1,900 µg/L to 74 µg/L between 2017 and 2022. These patterns can be observed in Appendix B, Graph 15. A sample for ethene was collected only in March 2022, and was observed at an elevated level of 76 µg/L. The decrease in TCE and increase in the degradation daughter products suggest that complete reductive dechlorination is occurring in this area.

Monitoring Well 87-16(1) is located on the southwest side of the former Neutralization Pond, and was added to the sampling plan in January 2020, after the October 2019 supplemental injections. TCE and cis-1,2-DCE levels initially increased after injection activities, which is common due to enhanced dissolution of contaminants from the soil matrix (Appendix B, Graph 16). Although TCE and cis-1,2-DCE concentrations have increased, an increase in VC and ethene from below the detection limit of 8,000 µg/L to 12,000 µg/L and 39 µg/L to 140 µg/L between January 2020 and March 2022 suggest reductive dechlorination is occurring and reducing contaminant mass.

Monitoring Well 87-17(1) is on the southwest side of the injection zone and located outside of the highest levels of COCs as shown on Figure 3. The primary contaminants at this well are

cis-1,2-DCE and VC, and after the October 2019 supplemental injections, initial reductions in both compounds were observed. However, in October 2020, concentrations of TCE, cis-1,2-DCE, and VC increased to 100 µg/L, 220 µg/L, and 220 µg/L, respectively. Since October 2020, TCE and cis-1,2-DCE have decreased from 100 µg/L to less than 10 µg/L and 220 µg/L to 120 µg/L, respectively. Along with the decrease in cis-1,2-DCE, VC increased from 220 to 320 µg/L as expected during biological degradation. These patterns can be observed in Appendix B, Graph 17. An increase in ethene was not observed; however, it was detected at 7.4 µg/L in March 2022, indicating that reductive dechlorination is occurring. Methylene chloride is not a primary COC at this well, and in March 2022, it was detected at an estimated level of 4.5 µg/L.

DW-11 is south of the supplemental injection area and outside of the highest levels of COCs. TCE concentrations initially increased from the 2017 baseline level of 35 µg/L to 17,000 µg/L in September 2018 and has now decreased to 4.0 µg/L in March 2022, below the MCL of 5 µg/L for the first time as shown in Table 3 and on Appendix B, Graph 18. The same decrease was observed for cis-1,2-DCE, from 210 µg/L in September 2018 to 11 µg/L in March 2022. VC increased in October 2021 to 540 µg/L and then decreased to 19 µg/L in March 2022. The final daughter product, ethene, has also recently decreased from 41 µg/L in October 2021 to an estimated level of 4.8 µg/L in March 2022. During the last year, methylene chloride concentrations increased from below the detection limit (1.0 µg/L) in March 2021 to 7.7 µg/L in October 2021 and then decreased to 2.7 µg/L in March 2022.

4.1.2 Geochemical Parameters

The biological degradation of site COCs is an anaerobic process and DO levels below 1.0 milligram per liter (mg/L) are favorable for reductive dechlorination. In the wells associated with the supplemental injections in 2019 and 2021, DO levels where primarily below 1.0 mg/L in October 2021 and in March 2022, as shown in Appendix B, Graph 19. The highest DO level observed in March 2022 was at B10(A) at 2.24 mg/L and the lowest level was 0.22 mg/L at 87-11(1) and 17-05(1). The average DO level has decreased from 2.70 mg/L in March 2021 to 0.65 mg/L in March 2022, indicating that the 2021 supplemental injection is aiding in decreasing DO levels and creating the conditions favorable for the reduction of site contaminates.

The ISB and ISCR injections have aided in reducing the ORP levels in the site groundwater. In March 2021, the ORP levels ranged from -533.7 millivolts (mV) at DW-10 to 34.2 mV at DW-11, with an average of -263.9 mV (Appendix B, Graph 20). The largest decrease in ORP observed after the November 2021 injections was at DW-10, which was within the ISCR treatment area from -337.7 mV in October 2021 to -533.7 mV in March 2022. These data indicate that the groundwater is reducing and favorable for the degradation of site contaminants.

Biological reactions are most favorable in the pH range from 6 to 8 standard units (s.u.) as shown in Appendix B, Graph 21. In March 2022, the pH level averaged 7.08 and ranged from 6.02 s.u.

at 17-04(1) to 9.31 s.u. at 87-16(1). The pH levels are favorable in most areas and will not inhibit the degradation of site COCs.

As microbes use respiratory substrates, they use oxygen, nitrate, iron, sulfate, and then chlorinated ethenes. Since 2017, iron and nitrate have been evaluated and it was determined that they are not at concentrations that may compete with reductive dechlorination and were removed from the list of analytical parameters. However, to enhance the abiotic degradation, sulfonated micro ZVI was injected during the supplemental injections and an increase in sulfate was observed. Sulfate levels have increased and in March 2022 ranged from 49.3 to 1,250 mg/L as shown in Appendix B, Graph 22.

Carbon is used by microorganisms as a food source and as an electron source during the respiration of chlorinated ethenes. During the injections in 2021, carbon was primarily injected in the area outside of the highest concentrations to keep the biological degradation continuing. In March 2022, total organic carbon was elevated above the 20 mg/L target and ranged from 49.3 to 5,460 mg/L, with an average of 1,086 mg/L as shown in Appendix B, Graph 23.

4.2 Downgradient Wells

The 14 wells downgradient of the 2019 injections are used to evaluate the continued effectiveness of the ISB treatment program as shown on Figure 2. Eleven of the wells have been sampled since 2017 and three wells have been added to the sampling program after the 2021 supplemental injections to aid in delineating the plume. The purpose of the supplemental injections upgradient is to decrease the high concentrations that migrate downgradient into this area and will decrease the time to reach site goals.

4.2.1 Contaminant Trends

Concentration trends for wells to evaluate the supplemental injections are provided in Appendix B, Graphs 24 through 32.

Monitoring Well B-14(1) is located on the west side of the southwest of the supplemental injections area and the primary COCs are cis-1,2-DCE and VC. Since the 2017 injections, cis-1,2-DCE has remained fairly constant, ranging between 96 and 160 µg/L (Appendix B, Graph 24). During the same time period, VC also remained fairly constant, ranging between 140 and 240 µg/L, but then increased to 310 µg/L in March 2022. The presence of ethene suggests that complete reductive dechlorination is occurring in this area.

Monitoring Well 89-10(1) is located on the east side of the plume and downgradient of the supplemental injections. TCE concentrations decreased after the 2019 supplemental injections from 19,000 µg/L in March 2019 to 50 µg/L in January 2020. However, after January 2020, TCE levels have increased to 16,000 µg/L in March 2022. During this time, cis-1,2-DCE decreased

from 4,800 µg/L in May 2020 to 2,500 µg/L in March 2021 and then increased to 29,000 µg/L in March 2022 (Appendix B, Graph 25). The same pattern was also observed for VC, decreasing from 1,200 µg/L in May 2020 to 550 µg/L in March 2021 and then increasing to 3,600 in March 2022. Methylene chloride also increased from 900 µg/L in August 2020 to 9,900 µg/L in March 2022. The increase in mass suggest that elevated levels have migrated downgradient; however, the decreases in concentrations observed upgradient will aid in reducing levels at this well.

Monitoring Well 87-10(1) is located at the south of 89-10(1), previously had an obstruction in it, and was not sampled in January or May 2020; however, it has been sampled since August 2020. At this well, the expected trends for reductive dechlorination have been observed (Appendix B, Graph 26). Since 2017, TCE concentrations have decreased from 890 µg/L to 37 µg/L in March 2021 and was observed at 90 µg/L in March 2022. As TCE is reduced, cis-1,2-DCE is expected to increase and then decrease, and levels increased to the highest level of 5,000 µg/L in August 2020 and then decreased to 730 µg/L in March 2022. Along with the decrease in cis-1,2-DCE, VC has increased from 12 µg/L in May 2017 to 720 µg/L in March 2022. As expected, during the decrease in VC, ethene has also increased from to 290 µg/L in August 2020 with a slight decrease to 250 µg/L in March 2022. During this time, methylene chloride initially increased from below the detection limit to an estimated level of 44 µg/L in August 2020 and has decreased to below the detection limit of 20 µg/L in March 2021 and March 2022.

In the middle of the site, COCs at DW-12 (Appendix B, Graph 27) have been decreasing since November 2017. After the supplemental injections in October 2019, all COCs were below the Groundwater Protection Standard (GPS) in May 2020 and has been aided in delineating this eastern edge of the plume. Low levels of cis-1,2-DCE and VC have continued to fluctuate since October 2020, and in March 2022 concentrations were observed at 6.2 µg/L and 2.6 µg/L, respectively.

Two monitoring wells, 96-01(1) and 87-12(1), are located at the southern edge of the biological treatment area. An increase in COCs levels occurred in January 2020 and since that time, concentrations have been decreasing, as shown in Appendix B, Graphs 28 and 29. At 96-01(1), TCE has decreased between January 2020 and March 2022 from 60 to 4.6 µg/L, below the GPS of 5.0 µg/L for the first time as shown on Figure 4. Concentrations in cis-1,2-DCE and VC have also decreased between January 2020 and March 2022 from 720 µg/L to 110 µg/L and from 1,200 µg/L to 160 µg/L, respectively. The final degradation product, ethene, has been present since March 2019 and in March 2021 was detected at 39 µg/L, suggesting that complete reductive dechlorination is occurring. Methylene chloride concentrations have decreased from 97 µg/L in January 2020 to 1.2 µg/L, below the GPS of 5 µg/L for the first time in March 2022 as shown on Figure 8. The decreases in COCs at this well suggest that the decreasing concentrations of COCs upgradient are affecting the levels downgradient.

Monitoring Well 87-12(1) is located to the east of 96-01 and TCE has remained fairly constant over the life of the project (with 14 µg/L in May 2017 and 22 µg/L in March 2022, fluctuating between 5.6 and 98 µg/L). The primary COCs at this well are cis-1,2-DCE and VC. The highest concentration of cis-1,2-DCE was observed in August 2020 at 4,900 µg/L and has decreased to 880 µg/L in March 2022. A decrease in VC has also been observed between March 2021 and March 2022 from 2,700 µg/L to 1,100 µg/L, respectively. The final degradation product, ethene, has increased from 290 µg/L to 540 µg/L in March 2022, suggesting that complete reductive dechlorination is occurring. Methylene chloride concentrations have also decreased from 55 µg/L in May 2020 to 40 µg/L in March 2022. The decreases in COCs at this well also suggest that the decreasing concentrations of COCs upgradient are affecting the levels downgradient.

Monitoring Well 87-22(1) is located near the southern edge and to the east of the site. Parent compounds TCE and methylene chloride have remained near or below the detection limit. Concentrations of cis-1.,2-DCE and VC have been increasing since 2017 and in August 2020, exhibited the highest concentrations at this well, as shown in Appendix B, Graph 30. Since August 2020, cis-2-DCE has continued to decrease from 4,600 to 1,400 µg/L in March 2022 and VC decreased from 2,600 to 1,300 µg/L. Methylene chloride has remained below the elevated detection limit at this well, but above the GPS of 5 µg/L in March 2021 (due to 40 µg/L detection limit) and then was detected at 23 µg/L in March 2022 (although duplicate sample result was 4.1 µg/L). The decreases in COCs at this well indicate that recent injections in 2019 and 2021 may be affecting downgradient wells and future sampling will determine if the decreases continue.

To aid in delineating/confirming the southwestern edge of the plume, Monitoring Well 87-18(1) was sampled in March 2022 for the first time since December 2018. In March 2022, TCE continues to be below the GPS, at 0.81 µg/L. In 2018, cis-1,2-DCE was detected at 130 µg/L and has decreased to 13 µg/L in March 2022 (Appendix B, Graph 31). A decrease in concentrations was also observed in VC from 310 µg/L in 2018 to 1.1 µg/L in March 2022, below the GPS of 2 µg/L. Methylene chloride continues to be below the GPS of 5 µg/L in March 2022. These data show that reducing concentrations upgradient is aiding in reducing levels downgradient and the plume is contracting from the west.

Monitoring Well 17-02(1) is located on the south side of the supplemental injection areas and had not been sampled since December 2018. A groundwater sample was collected in March 2022 to determine if the injections had influenced this area and aid in delineating the plume. TCE concentrations have decreased from 1,100 µg/L in 2018 to 330 µg/L in March 2022. During this same time period, cis-1,2-DCE and VC have increased from 1,000 to 3,400 µg/L and 130 to 770 µg/L, respectively. The final daughter product, ethene, was analyzed only in March 2022 and was observed at an elevated level of 380 µg/L. The decrease in TCE and then the increase and subsequent decrease in daughter products suggest that complete reductive dechlorination is occurring and reducing contaminant mass in this area.

4.2.2 Geochemical Parameters

DO levels at wells downgradient of the supplemental injections ranged from 0.21 to 5.21 mg/L and averaged 1.11 mg/L during the March 2022 sampling event. Most wells are below 1.0 mg/L except for DW-12, which suggests that the site has become primarily anaerobic and favorable for the continued biological degradation of site COCs (Appendix B, Graph 33).

ORP levels are used to evaluate reducing conditions in groundwater. Reductive dechlorination requires ORP levels below 50 mV (U.S. Environmental Protection Agency, 1998)[2]. After the bioremediation application, ORP levels decreased as expected. Iron-containing amendments injected to enhance abiotic reactions also aid in reducing ORP levels. During the March 2022 sampling event, ORP levels ranged from -532 to 94.9 mV with an average of -197 mV as show in Appendix B, Graph 34.

The pH levels in March 2022 ranged from 6.50 s.u. at 17-02(1) to 7.39 s.u. at DW-12 which is within an optimal range for microbial activity as shown in Appendix B, Graph 35.

Sulfate levels at the site continued to fluctuate during the bioremediation treatment as shown in Table 3 and Appendix B, Graph 36. In March 2022, sulfate concentrations in the downgradient plume ranged from 126 to 1,250 mg/L. The continued fluctuations indicate that while sulfate is being reduced, elevated natural concentrations are also influencing the treatment area groundwater.

During the 2019 and 2021 supplemental injections, carbon was injected to the north near the former Neutralization Pond to reduce mass in the source area. Therefore, the areas downgradient are not expected to have elevated levels of total organic carbon. In March 2022, total organic carbon was below 20 mg/L in all wells except for 89-10(1) and 17-02(1), at 53.7 mg/L and 265 mg/L, respectively, as shown in Appendix B, Graph 37.

[2] U.S. Environmental Protection Agency, 1998. Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water, USEPA/600/R-98/128, September.

5.0 Summary and Recommendations

5.1 Summary

This status report presents the October 2021 and March 2022 sampling event as it relates to the Bioremediation Program that began in 2017 and includes three in situ injection events that took place in November 2017, October 2019, and November 2021. The groundwater contamination is contained in the lower Zone 1 bedrock and is the focus of the Bioremediation Program. The overburden has been shown to not have elevated levels of CVOCs and serves as an upward barrier for vapors associated with the contamination in the Zone 1 bedrock.

During the first year of the Bioremediation Program, VOC concentrations have been reducing or have trends that indicate that biodegradation is occurring in most monitoring wells as seen on graphs in Appendix B. To aid in decreasing the time to significantly reduce elevated levels of VOCs near the former Neutralization Pond, additional injections to enhance both biological and abiotic degradation were conducted in October 2019 and November 2021.

In November 2021, the supplemental injection focused on providing S-MicroZVI™ to promote abiotic degradation pathways to reduce CVOCs in the area of the highest concentrations. In areas where the concentrations were lower, 3DME®, SDC-9™ and MDB-1™ were injected to promote continued biological degradation. The total required quantities of 3DME®, S-MicroZVI™, SDC-9™ and MDB-1™ were injected into the subsurface. Two of the planned six wells were unable to accept all the volume; therefore, the remaining amount from these wells was added into the closest injection well to aid in distribution. The March 2022 sampling event is the first data collection after the injections.

As TCE has been biologically reduced (Figure 4), the sequential increase and then decrease of daughter products cis-1,2-DCE and VC have been observed as shown on Figures 5 and 6. As VC is degraded, ethene is created which indicates that reductive dechlorination is occurring. During abiotic degradation, chlorinated ethenes are also degraded to ethene, without forming VC. Figure 7 shows increases in ethene by size and concentration between November 2017 and March 2022. This increase of ethene indicates that chlorinated ethenes are being degraded sitewide.

In monitoring wells located in the northern portion of the property, where the highest COC concentrations are present and was the focus of the 2019 and 2021 supplemental injections, decreases in contaminant concentrations have been observed. Most notable is the decrease in concentrations of TCE and cis-1,2-DCE near the former Neutralization Pond as shown on Figures 4 and 5. Decreases in methylene chloride were also observed in the both the injection wells and monitoring wells near the former Neutralization Pond. Downgradient, the COCs have also decreased including the wells closer to the leading edge. These reductions show that the

plume is contracting to the north. The geochemical parameters indicate that the groundwater is generally anerobic which is favorable for biological and abiotic reactions. Groundwater monitoring for the Bioremediation Program will be continued semiannually as detailed in the Bioremediation Program Work Plan-Supplemental Injection Report (APTIM, 2019)[3]. The next sampling event is in October 2022 and will aid in determining the effectiveness of the supplemental injections and of the Bioremediation Program in an effort to formally cease operations of the On-Site Groundwater Treatment System.

5.2 Recommendations

The operation of the On-Site Groundwater Treatment System was suspended with the consent of the New York State Department of Environmental Conservation on October 30, 2017 in support of the Bioremediation Program and remained dormant throughout 2021. It is recommended that the On-Site Groundwater Treatment System remain dormant to allow the Bioremediation Program to progress. Due to the contaminants being confined primarily to the bedrock, no other actions are recommended for the overburden or in the groundwater below Zone 1.

The October 2022 sampling event will continue to use low-flow techniques. The wells to be sampled are noted in Table 1 and analyses are provided in Table 2.

[3] Aptim Engineering New York, P.C., August 2019. "Bioremediation Program Work Plan-Supplemental Injection," Former Bell Aerospace Textron Facility, Wheatfield, New York.

Tables

Table 1
Monitoring Well Network
Former Bell Aerospace Facility
Wheatfield, New York

WELL NUMBER	GROUNDWATER SAMPLE
ZONE 1 MONITORING WELLS	
17-01(1)	X
17-02(1)	X**
17-04(1)	X**
17-05(1)	X**
19-01(1)	X**
86-23(B)	X
87-01(1)*	**X***
87-02(1)*	**X***
87-04(1)	X
87-05(1)	X**
87-08(1)*	**X***
87-10(1)	X
87-11(1)	X**
87-12(1)	X
87-13(1)	X
87-14(1)	X**
87-15(1)	X**
87-16(1)	X
87-17(1)	**X**
87-18(1)	X**
87-20(1)	**X**
87-22(1)	**X**
89-10(1)	X
89-12(1)	X
89-15(1)	**X**
96-01(1)	X
B-10A(1)	X
B-14(1)	X
TOTAL ZONE 1 SAMPLES PER EVENT	**28**
ON-SITE EXTRACTION WELLS	
DW-9	**X**
DW-10	**X**
DW-11	**X**
DW-12	**X**
TOTAL ON-SITE EXTRACTION WELL SAMPLES PER EVENT	**4**
GRAND TOTAL SAMPLES PER EVENT	**32**

Red indicates location already part of existing annual groundwater monitoring program.

* Indicates location is scheduled for sampling on even numbered years per the groundwater sampling program.

X** are wells added per the 20221 Suplemental Injection Work Plan

Table 2
Analytical and Field Parameters
Former Bell Aerospace Textron, Inc.
Wheatfield, New York

	Laboratory Analysis				Field Analysis					
Parameter	**Total Volatile Organic Compounds**	**Total Organic Carbon**	**Ethene, Ethane, Methane**	**Sulfate**	**Oxidation-Reduction Potential**	**Dissolved Oxygen**	**Conductivity**	**Temperature**	**pH**	**Turbidity**
Method	USEPA SW-846 Method 8260B	USEPA Method 5310C	USEPA Method RSK 175	USEPA SW-846 Method	Field measurement via YSI model 556 handheld screening instrument or equivalent					
ZONE 1 MONITORING WELLS										
17-01(1)	X	X	X	X	X	X	X	X	X	X
17-02(1)	X	X	X	X	X	X	X	X	X	X
17-04(1)	X	X	X	X	X	X	X	X	X	X
17-05(1)	X	X	X	X	X	X	X	X	X	X
19-01(1)	X	X	X	X	X	X	X	X	X	X
86-23(B)	X	X	X	X	X	X	X	X	X	X
87-01(1)*	X	X	X	X	X	X	X	X	X	X
87-02(1)*	X	X	X	X	X	X	X	X	X	X
87-04(1)	X	X	X	X	X	X	X	X	X	X
87-05(1)	X	X	X	X	X	X	X	X	X	X
87-08(1)*	X	X	X	X	X	X	X	X	X	X
87-10(1)	X	X	X	X	X	X	X	X	X	X
87-11(1)	X	X	X	X	X	X	X	X	X	X
87-12(1)	X	X	X	X	X	X	X	X	X	X
87-13(1)	X	X	X	X	X	X	X	X	X	X
87-14(1)	X	X	X	X	X	X	X	X	X	X
87-15(1)	X	X	X	X	X	X	X	X	X	X
87-16(1)	X	X	X	X	X	X	X	X	X	X
87-17(1)	X	X	X	X	X	X	X	X	X	X
87-18(1)	X	X	X	X	X	X	X	X	X	X
87-20(1)	X	X	X	X	X	X	X	X	X	X
87-22(1)	X	X	X	X	X	X	X	X	X	X
89-10(1)	X	X	X	X	X	X	X	X	X	X
89-12(1)	X	X	X	X	X	X	X	X	X	X
89-15(1)	X	X	X	X	X	X	X	X	X	X
96-01(1)	X	X	X	X	X	X	X	X	X	X
B-10A(1)	X	X	X	X	X	X	X	X	X	X
B-14(1)	X	X	X	X	X	X	X	X	X	X
ON-SITE EXTRACTION WELLS										
DW-9	X	X	X	X	X	X	X	X	X	X
DW-10	X	X	X	X	X	X	X	X	X	X
DW-11	X	X	X	X	X	X	X	X	X	X
DW-12	X	X	X	X	X	X	X	X	X	X

Notes:

Red indicates location already part of existing annual groundwater monitoring program.

* Indicates location is scheduled for sampling on even numbered years per the groundwater sampling program.

Table 3
2021 Suplemental Injection - Volumes
Former Bell Aerospace Textron Inc.
Wheatfield, New York

Injection Well Location		**DW-09**		**Comments**
Treatment Zone		**Upgradient**		
		Expected	Actual	
Injection Volume per well	gallons	2,704	0	Product daylights immediatley, attempted twice, could not inject
Dilution Water (4% Carbon)	gallons	2,596	0	negligable amount was injected (<50 gallons total)
3DME (Carbon)	pounds	900	0	
3DME (Carbon)	gallons	108	0	
S-MicroZVI	pounds	NA	0	
S-MicroZVI	gallons	NA	0	
SDC-9 / MDB-1 ($1.0E^{11}$ cells/mL)	Liters	3.5	0	
Injection Well Location		**19-01(1)**		**Comments**
Treatment Zone		**Upgradient**		
		Expected	Actual	
Injection Volume per well	gallons	2,704	2,135	
Dilution Water (4% Carbon)	gallons	2,596	1,934	
3DME (Carbon)	pounds	900	900	
3DME (Carbon)	gallons	108	108	
S-MicroZVI	pounds	NA	1,406	Received volume from 17-05 (1)
S-MicroZVI	gallons	NA	93	Received volume from 17-05 (1)
SDC-9 / MDB-1 ($1.0E^{11}$ cells/mL)	Liters	3.5	3.5	
Injection Well Location		**87-14(1)**		**Comments**
Treatment Zone		**Upgradient**		
		Expected	Actual	
Injection Volume per well	gallons	2,704	535	High pressure, low flow - inject concentrated product first, chase with water
Dilution Water (4% Carbon)	gallons	2,596	373	continued to leak/spray from well head
3DME (Carbon)	pounds	900	1,350	received additional volume (1/2 from DW-09)
3DME (Carbon)	gallons	108	162	
S-MicroZVI	pounds	NA	0	
S-MicroZVI	gallons	NA	0	
SDC-9 / MDB-1 ($1.0E^{11}$ cells/mL)	Liters	3.5	5.25	Received additional volume (1/2 from DW-09)
Injection Well Location		**DW-10**		**Comments**
Treatment Zone		**Upgradient**		
Injection Volume per well	gallons	2,704	1,364	Maintained low pressure and high flow rate, no visible impacts to sewer line
Dilution Water (4% Carbon)	gallons	2,596	1,202	
3DME (Carbon)	pounds	900	1,350	Received additional volume (1/2 from DW-09)
3DME (Carbon)	gallons	108	162	
S-MicroZVI	pounds	NA	0	
S-MicroZVI	gallons	NA	0	
SDC-9 / MDB-1 ($1.0E^{11}$ cells/mL)	Liters	3.5	5.25	Received additional volume (1/2 from DW-09)
Injection Well Location		**87-13(1)**		**Comments**
Treatment Zone		**Hot Spot**		
Injection Volume per well	gallons	2,913	2,912	Started with low flow rate and high pressure, ended with low pressure and higher flow rate
Dilution Water (4% Carbon)	gallons	2,797	2,782	
3DME (Carbon)	pounds	0	815	
3DME (Carbon)	gallons	0	54	
S-MicroZVI	pounds	1,750	1,973	Received additional volume from 17-05
S-MicroZVI	gallons	116	131	Received additional volume from 17-05
SDC-9 / MDB-1 ($1.0E^{11}$ cells/mL)	Liters	0	0	
Injection Well Location		**17-05(1)**		**Comments**
Treatment Zone		**Hot Spot**		
		Expected	Actual	
Injection Volume per well	gallons	2,913	201	Product daylights immediatley, attempted twice, could not inject
Dilution Water (4% Carbon)	gallons	2,797	193	
3DME (Carbon)	pounds	0	0	
3DME (Carbon)	gallons	0	0	
S-MicroZVI	pounds	1,750	121	Product daylights immediatley, attempted twice, could not inject. Volume from this well went into 87-13(1) and 19-01(1)
S-MicroZVI	gallons	116	8	
SDC-9 / MDB-1 ($1.0E^{11}$ cells/mL)	Liters	0	0	
Injection Well Location		**Totals**		**Comments**
Treatment Zone				
		Expected	Actual	
Injection Volume per well	gallons	16,642	7,147	Due to surfacing, all of the ammendments were injected, but not all of the chase water
Dilution Water (4% Carbon)	gallons	15,979	6,484	Due to surfacing, not all of the chase water was injected
3DME (Carbon)	pounds	3,600	4,415	
3DME (Carbon)	gallons	431	486	
S-MicroZVI	pounds	3,500	3,500	
S-MicroZVI	gallons	232	232	
SDC-9 / MDB-1 ($1.0E^{11}$ cells/mL)	Liters	14	14	

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	Location		17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)	17-01(1)
	Sample ID		17-01(1)-20171113	17-01(1)-20181210	BAT-17-01(1)-190327	BAT-17-01(1)-200117	BAT-17-01(1)-200521	BAT-17-01(1)-200818	MW17-01(1)-20210322	MW17-01(1)-20211013
	Sample Date		11/13/2017	12/10/2018	3/27/2019	1/17/2020	5/21/2020	8/18/2020	3/22/2021	10/13/2021
	Units	GPS	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS										
Dissolved oxygen	mg/L	NV	----	0.6	----	4.53	4.25	0.66	2.64	3.12
Oxidation Reduction Potential	mV	NV	----	-348.1	-365.8	-272.8	-252	-316.5	-305.9	-354.3
pH	SU	NV	7.23	6.79	6.01	6.32	6.33	6.3	6.09	6.29
Specific Conductivity	mS/cm	NV	2.447	4.294	3.302	4.829	4.77	4.318	3.61	4.53
Temperature	Deg C	NV	14.37	12.94	13.67	10.78	13.71	15.7	14.84	15.6
Turbidity	NTU	NV	----	----	----	----	----	42.24	3.05	17.1
GASES										
Ethane	µg/L	NV	----	----	< 83 U	9	4.2 J	23	< 83 U	17
Ethylene	µg/L	NV	----	----	27 J	19	13	< 7 U	< 77 U	< 7 U
Methane	µg/L	NV	----	----	110	64	42	130	85	71
GEN CHEMISTRY										
Sulfate	mg/L	NV	----	----	1220	1350	1420	1310	1410	1560
Total organic carbon	mg/L	NV	----	----	448 B	388	9.7	318	519	475
VOLATILES										
1,1,1-Trichloroethane	µg/L	5	**27**	**200**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**620**	< 2000 U
1,1,2,2-Tetrachloroethane	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/L	NV	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	µg/L	1	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
1,1-Dichloroethane	µg/L	5	**17**	**84 J**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**260**	< 2000 U
1,1-Dichloroethene	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
1,2-Dichloroethane	µg/L	0.6	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
1,2-Dichloropropane	µg/L	1	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
2-Butanone	µg/L	50	< 25 U	< 500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 400 U	< 20000 U
2-Hexanone	µg/L	50	< 25 U	< 500 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 200 U	< 10000 U
4-Methyl-2-pentanone	µg/L	NV	< 25 U	< 500 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 200 U	< 10000 U
Acetone	µg/L	50	6.7 J	< 500 U	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 400 U+	< 20000 U
Benzene	µg/L	1	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Bromodichloromethane	µg/L	50	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Bromoform	µg/L	50	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Bromomethane	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Carbondisulfide	µg/L	60	< 5 U	**430**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**280**	**490 J**
Carbontetrachloride	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Chlorobenzene	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Chloroethane	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Chloroform	µg/L	7	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Chloromethane	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
cis-1,2-Dichloroethene	µg/L	5	**620**	**4800**	**7000**	**9100**	**7100**	**6400**	**11000**	**17000**
cis-1,3-Dichloropropene	µg/L	0.4	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Dibromochloromethane	µg/L	50	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Ethylbenzene	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
m,p-xylene	µg/L	5	< 10 U	< 200 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 80 U	< 4000 U
Methylene Chloride	µg/L	5	< 5 U	**28000 D**	**35000**	**28000**	**18000**	**21000**	**39000**	**100000**
o-Xylene	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Styrene	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Tetrachloroethene	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Toluene	µg/L	5	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**27 J**	< 2000 U
trans-1,2-Dichloroethene	µg/L	5	2.6 J	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**43**	< 2000 U
Trans-1,3-Dichloropropene	µg/L	0.4	< 5 U	< 100 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 40 U	< 2000 U
Trichloroethene	µg/L	5	3.9 J	**19000 J**	**42000**	**46000**	**33000**	**28000**	**65000**	**86000**
Vinyl chloride	µg/L	2	**510**	**330**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**480**	< 2000 U
Xylene (total)	µg/L	NV	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	17-01(1)	17-02(1)	17-02(1)	17-02(1)	17-04(1)	17-04(1)	17-04(1)	17-05(1)	17-05(1)	17-05(1)	19-01(1
	17-01-1-220321	17-02(1)-20171113	17-02(1)-20181210	17-02(1)-220322	17-04(1)-20171115	17-04(1)-20181212	17-04(1)-220323	17-05(1)-20171115	17-05(1)-20181212	17-05(1)-220323	BAT-19-01(1)-190828
	3/21/2022	11/13/2017	12/10/2018	3/22/2022	11/15/2017	12/12/2018	3/23/2022	11/15/2017	12/12/2018	3/23/2022	8/28/2019
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	1.77	----	----	0.28	----	----	0.36	----	----	0.22	----
Oxidation Reduction Potential	-275.9	----	----	-344.8	----	----	-220.3	----	----	-247.6	----
pH	6.43	----	----	6.5	----	----	6.02	----	----	7.38	----
Specific Conductivity	3.323	----	----	18.65	----	----	10.54	----	----	12.75	----
Temperature	13.8	----	----	13.4	----	----	10	----	----	10.5	----
Turbidity	14.4	----	----	5.85	----	----	193	----	----	101	----
GASES											
Ethane	13	----	----	< 170 U	----	----	160 J	----	----	230 J	----
Ethylene	36	----	----	380	----	----	1900	----	----	1800	----
Methane	79	----	----	8500	----	----	50 J	----	----	5500	----
GEN CHEMISTRY											
Sulfate	1250	----	----	423	----	----	1200	----	----	22.3 J	----
Total organic carbon	276	----	----	265	----	----	3970	----	----	5460	----
VOLATILES											
1,1,1-Trichloroethane	**510**	**22 J**	**47**	< 80 U	**2900**	**270 J**	< 10000 U	**900**	**130**	< 100 U	< 500 U
1,1,2,2-Tetrachloroethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	< 500 U
1,1,2-Trichloroethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
1,1-Dichloroethane	**270 J**	**9 J**	**32**	**50 J**	**600**	**430 J**	< 10000 U	**79 J**	**96**	**160**	< 500 U
1,1-Dichloroethene	< 500 U	< 25 U	3.8 J	< 80 U	**440 J**	< 1000 U	< 10000 U	< 250 U	**40 J**	< 100 U	< 500 U
1,2-Dichloroethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
1,2-Dichloropropane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	----
2-Butanone	< 5000 U	< 130 U	14 J	< 800 U	< 2500 U	< 5000 U	< 100000 U	< 1300 U	< 250 U	< 1000 U	< 5000 U
2-Hexanone	< 2500 U	< 130 U	< 50 U	< 400 U	< 2500 U	< 5000 U	< 50000 U	< 1300 U	< 250 U	< 500 U	< 2500 U
4-Methyl-2-pentanone	< 2500 U	< 130 U	< 50 U	< 400 U	< 2500 U	< 5000 U	< 50000 U	< 1300 U	< 250 U	< 500 U	< 2500 U
Acetone	< 5000 U	36 J	30	< 800 U	< 2500 U	< 5000 U	< 100000 U	< 1300 U	< 250 U	< 1000 U	< 5000 U
Benzene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Bromodichloromethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Bromoform	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Bromomethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Carbondisulfide	**250 J**	< 25 U	**120**	23 J	**140 J**	**1400**	< 10000 U	< 250 U	**220**	< 100 U	< 500 U
Carbontetrachloride	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Chlorobenzene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Chloroethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Chloroform	< 500 U	< 25 U	< 10 U	< 80 U	**940**	< 1000 U	< 10000 U	**400**	< 50 U	< 100 U	< 500 U
Chloromethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
cis-1,2-Dichloroethene	**10000**	**4300 D**	**1000**	**3400**	**30000**	**12000**	< 10000 U	**4300**	**6100**	**2700**	**15000**
cis-1,3-Dichloropropene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Dibromochloromethane	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Ethylbenzene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
m,p-xylene	< 1000 U	< 50 U	< 20 U	< 160 U	< 1000 U	< 2000 U	< 20000 U	< 500 U	< 100 U	< 200 U	< 1000 U
Methylene Chloride	**66000**	< 25 U	**140**	**780**	**180000 D**	**210000 D**	**620000**	**14000**	**1300**	**8200**	**1900**
o-Xylene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Styrene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Tetrachloroethene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Toluene	< 500 U	< 25 U	< 10 U	< 80 U	**130 J**	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
trans-1,2-Dichloroethene	< 500 U	**19 J**	4.9 J	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	**18 J**	< 100 U	< 500 U
Trans-1,3-Dichloropropene	< 500 U	< 25 U	< 10 U	< 80 U	< 500 U	< 1000 U	< 10000 U	< 250 U	< 50 U	< 100 U	< 500 U
Trichloroethene	**67000**	**490**	**1100**	**330**	**170000 E**	**83000**	**12000**	**32000**	**6500**	< 100 U	**5400**
Vinyl chloride	**450 J**	**270**	**130**	**770**	**1400**	**510 J**	< 10000 U	**930**	**910**	**1700**	**5800**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	< 1000 U

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	19-01(1	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	86-23(B)	87-01(1)	87-01(1)
	19-01(1)-220322	86-23(B)-20181210	BAT-86-23B-190326	BAT-86-23B-200113	BAT-86-23(B)-200521	BAT-86-23(B)-200818	MW86-23(B)-20210316	MW-86-23B-20211004	86-23-B-220317	87-01(1)-20170523	87-01(1)-20171113
	3/22/2022	12/10/2018	3/26/2019	1/13/2020	5/21/2020	8/18/2020	3/16/2021	10/4/2021	3/17/2022	5/23/2017	11/13/2017
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.81	----	----	0.18	0.4	2.74	6.53	0.1	1.89	----	2.56
Oxidation Reduction Potential	-402.9	-154.7	-289.5	-175.3	-186.8	-234	-200.9	-286.6	-240.1	----	-101
pH	8.14	7.01	6.81	6.95	7.02	7.08	6.95	6.99	7.05	----	7.26
Specific Conductivity	4.22	1.356	2.431	3.047	3.077	2.887	2.04	2.83	2.833	----	2.39
Temperature	10.7	13.4	11.64	12.24	12.27	16.3	11.28	14.5	12.2	----	14.63
Turbidity	116	----	----	----	----	0	1.39	1.58	0.18	----	----
GASES											
Ethane	680	----	< 7.5 U	4.4 J	< 83 U	< 83 U	< 7.5 U	< 7.5 U	< 7.5 U	----	1.8
Ethylene	2000	----	590	380	290	230	200	220	120	----	15
Methane	610	----	78	88	79	74	72	89	47	----	84
GEN CHEMISTRY											
Sulfate	67.6 J	----	1140	1290	1300	1260	1290	1320	1200	----	0.875
Total organic carbon	4860	----	2.1	2.3	2.7	3.1	2.9	2.4	3.2	----	0.0032
VOLATILES											
1,1,1-Trichloroethane	< 20 U	**32**	**35**	**33**	**29**	**12**	**31**	**31**	< 20 U	**15**	**72**
1,1,2,2-Tetrachloroethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	35	----	----	----
1,1,2-Trichloroethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
1,1-Dichloroethane	< 20 U	**19**	**21**	**22**	**19**	**6.6 J**	**19**	**21**	**20**	**5.6**	**21**
1,1-Dichloroethene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	2.6	**7**
1,2-Dichloroethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
1,2-Dichloropropane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	----	< 20 U	< 2 U	< 5 U
2-Butanone	< 200 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 80 U	< 200 U	< 200 U	< 2 U	< 25 U
2-Hexanone	< 100 U	< 25 U	< 50 U	< 50 U	< 50 U	< 50 U	< 40 U	< 100 U	< 100 U	< 10 U	< 25 U
4-Methyl-2-pentanone	< 100 U	< 25 U	< 50 U	< 50 U	< 50 U	< 50 U	< 40 U	< 100 U	< 100 U	< 10 U	< 25 U
Acetone	< 200 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 80 U	< 200 U	< 200 U	< 10 U	6.5 J
Benzene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Bromodichloromethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Bromoform	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Bromomethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Carbondisulfide	8 J	4.6 J	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Carbontetrachloride	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Chlorobenzene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Chloroethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Chloroform	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	1.1 J	< 5 U
Chloromethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
cis-1,2-Dichloroethene	**130**	**88**	**53**	**200**	**120**	**42**	**72**	**310**	**94**	**690 D**	**1600 D**
cis-1,3-Dichloropropene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Dibromochloromethane	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Ethylbenzene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
m,p-xylene	< 40 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 16 U	< 40 U	< 40 U	< 4 U	< 10 U
Methylene Chloride	**160**	< 5 U	< 10 U	**11**	< 10 U	< 10 U	< 8 U	**53**	**15 J**	< 2 U	**16**
o-Xylene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Styrene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Tetrachloroethene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Toluene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
trans-1,2-Dichloroethene	< 20 U	4.2 J	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	**6.8**	**6.4**
Trans-1,3-Dichloropropene	< 20 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 5 U
Trichloroethene	< 20 U	**5.4**	**6.7 J**	**7.2 J**	**5.7 J**	< 10 U	4.7 J	**13 J**	< 20 U	**110**	**54**
Vinyl chloride	**1300**	**500**	**650**	**710**	**870**	**310**	**1300**	**1100**	**1300 F1**	**84**	**330**
Xylene (total)	----	----	----	----	----	----	----	< 40 U	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-01(1)
	87-01(1)-20180123	87-01(1)-20180227	87-01(1)-20180320	87-01(1)-20180619	87-01(1)-20180918	87-01(1)-20181030	87-01(1)-20181211	BAT-87-01(1)-190326	BAT-87-01(1)-200114	BAT-87-01(1)-200522	BAT-87-01(1)-200819
	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018	12/11/2018	3/26/2019	1/14/2020	5/22/2020	8/19/2020
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	2.01	0.77	0.07	2.86	2.84	----	1.4	3.96	0.31	5.97	0.93
Oxidation Reduction Potential	-216.9	-166.4	-181.8	-329.7	-227.4	----	-343.7	-336	-265.1	-245.4	-257.7
pH	6.7	7.34	7.16	7.06	7.07	7.25	7.35	6.7	6.99	6.99	7.14
Specific Conductivity	2.232	3.101	2.599	1.83	1.731	1.57	2.815	2.569	2.69	3.421	2.091
Temperature	13.54	13.5	11.61	15.26	16.26	15.41	14.18	14.29	15.08	14.72	16.3
Turbidity	----	----	----	----	----	----	----	----	----	----	0.7
GASES											
Ethane	1.1	< 1 U	< 1 U	< 10 U	< 10 U	----	< 10 U	< 170 U	< 170 U	< 83 U	< 83 U
Ethylene	24	18	470 D	180	480	----	780	450	400	460	210
Methane	27	1.9	76	1000	1100 D	----	470	380	1400	700	1700
GEN CHEMISTRY											
Sulfate	0.205	0.0188	0.176	0.36	0.286	----	0.627	725	462	739	539
Total organic carbon	0.111	0.0657	0.0324	0.0045	0.0041	----	0.0043	2.6	2.9	3.1	3.1
VOLATILES											
1,1,1-Trichloroethane	**22**	**10**	**18**	**9.9**	**12**	**20**	**38**	< 50 U	< 50 U	< 50 U	**16**
1,1,2,2-Tetrachloroethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
1,1-Dichloroethane	**15**	**14**	**15**	**12**	**12**	**13**	**37**	**37 J**	**37 J**	**41 J**	**17**
1,1-Dichloroethene	< 10 U	< 2 U	< 1 U	1.9	< 2 U	0.73 J	4.3 J	< 50 U	< 50 U	< 50 U	< 10 U
1,2-Dichloroethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
1,2-Dichloropropane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
2-Butanone	< 50 U	6.8 J	3.8 J	< 5 U	< 10 U	< 5 U	< 50 U	< 500 U	< 500 U	< 500 U	< 100 U
2-Hexanone	< 50 U	< 10 U	< 5 U	< 5 U	< 10 U	< 50 U	< 50 U	< 250 U	< 250 U	< 250 U	< 50 U
4-Methyl-2-pentanone	< 50 U	< 10 U	< 5 U	< 5 U	< 10 U	< 5 U	< 50 U	< 250 U	< 250 U	< 250 U	< 50 U
Acetone	< 50 U	16	7.1	< 5 U	< 10 U	< 5 U	< 50 U	< 500 U	< 500 U	< 500 U	< 100 U
Benzene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Bromodichloromethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Bromoform	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Bromomethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Carbondisulfide	< 10 U	**140**	32	8.5	19	12	44	< 50 U	< 50 U	< 50 U	< 10 U
Carbontetrachloride	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Chlorobenzene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Chloroethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Chloroform	< 10 U	0.52 J	< 1 U	0.34 J	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Chloromethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
cis-1,2-Dichloroethene	**1200**	**290**	**58**	**520 D**	**30**	**190**	**1600**	**1700**	**2500**	**3300**	**570**
cis-1,3-Dichloropropene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Dibromochloromethane	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Ethylbenzene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
m,p-xylene	< 20 U	< 4 U	< 2 U	< 2 U	< 4 U	< 2 U	< 20 U	< 100 U	< 100 U	< 100 U	< 20 U
Methylene Chloride	**16**	**96**	**29**	**6.3**	< 2 U	< 1 U	< 10 U	**26 J**	< 50 U	**32 J**	< 10 U
o-Xylene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	0.23 J	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Styrene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Tetrachloroethene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Toluene	< 10 U	< 2 U	0.22 J	0.24 J	< 2 U	0.3 J	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
trans-1,2-Dichloroethene	**5.2 J**	4.8	**6.4**	4.9	**7.7**	**7.3**	**13**	< 50 U	< 50 U	< 50 U	**10**
Trans-1,3-Dichloropropene	< 10 U	< 2 U	< 1 U	< 1 U	< 2 U	< 1 U	< 10 U	< 50 U	< 50 U	< 50 U	< 10 U
Trichloroethene	**23**	**9.3**	3.7	**98**	4.2	4.1	**20**	< 50 U	**51**	**23 J**	**22**
Vinyl chloride	**320**	**210**	**150**	**300 D**	**57**	**160**	**1400**	**1300**	**1500**	**1800**	**450**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-01(1)	87-01(1)	87-01(1)	87-01(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)
	BAT-87-01(1)-201014	MW87-01(1)-20210316	MW-87-01(1)-20211005	87-01-1-220318	87-02(1)-20171113	87-02(1)-20180124	87-02(1)-20180227	87-02(1)-20180320	87-02(1)-20180619	87-02(1)-20180918	87-02(1)-20181030
	10/14/2020	3/16/2021	10/5/2021	3/18/2022	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/30/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	----	7.3	0.21	0.46	2.78	3.11	0.89	0.06	3.35	2.1	----
Oxidation Reduction Potential	----	-258	-329.6	-311.9	-21	-51	-40.9	-114.5	-230.4	-158.7	----
pH	----	7.01	7.05	7.06	7.31	6.62	6.96	6.9	7.14	7.19	7.12
Specific Conductivity	----	2.11	3.222	3.022	1.772	2.471	2.72	2.596	1.791	1.637	1.108
Temperature	----	14.59	16.7	16	14.68	11	12.44	10.12	14.09	18.52	14.56
Turbidity	----	1.8	0.27	3.28	----	----	----	----	----	----	----
GASES											
Ethane	----	< 7.5 U	< 83 U	< 83 U	< 1 U	1.8	1.2	< 5.2 U	< 5.2 U	< 2.1 U	----
Ethylene	----	42	520	710	9.8	20	150	330	260	160	----
Methane	----	120	1900	2200	65	63	60	120	58	28	----
GEN CHEMISTRY											
Sulfate	----	1170	736	832	0.394	0.0631	0.0319	0.234	0.36	0.335	----
Total organic carbon	----	3.1	3.1	3.2	0.0029	0.241	0.143	0.069	0.0068	0.0036	----
VOLATILES											
1,1,1-Trichloroethane	< 10 U	**41**	**39**	< 20 U	**55**	**31**	**16**	**27**	**18**	1.8	**12**
1,1,2,2-Tetrachloroethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	70	----	250	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	**12**	**19**	**44**	**46**	**15**	**19 J**	**19**	**29**	**12**	**6.4**	**6.5**
1,1-Dichloroethene	< 10 U	2.5 J	**15 J**	< 20 U	< 5 U	< 25 U	**6.5 J**	< 20 U	< 1 U	< 1 U	0.31 J
1,2-Dichloroethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	----	< 8 U	----	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
2-Butanone	< 100 U	< 80 U	< 200 U	< 200 U	< 25 U	< 130 U	< 50 U	< 100 U	< 5 U	< 5 U	< 5 U
2-Hexanone	< 50 U	< 40 U	< 100 U	< 100 U	< 25 U	< 130 U	< 50 U	< 100 U	< 5 U	< 5 U	< 5 U
4-Methyl-2-pentanone	< 50 U	< 40 U	< 100 U	< 100 U	< 25 U	< 130 U	< 50 U	< 100 U	< 5 U	< 5 U	< 5 U
Acetone	< 100 U	< 80 U	< 200 U	< 200 U	< 25 U	< 130 U	< 50 U	< 100 U	3.3 J	2.2 J	< 5 U
Benzene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Bromoform	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Bromomethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Carbondisulfide	13	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	21	28	19	2.1	1.1
Carbontetrachloride	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Chloroethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Chloroform	< 10 U	< 8 U	< 20 U	< 20 U	4.2 J	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Chloromethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	**330 F1**	**980**	**3400**	**1100**	**1700 D**	**3400**	**2800 D**	**2100**	**50**	**14**	**49**
cis-1,3-Dichloropropene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Dibromochloromethane	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
m,p-xylene	< 20 U	< 16 U	< 40 U	< 40 U	< 10 U	< 50 U	< 20 U	< 40 U	< 2 U	< 2 U	< 2 U
Methylene Chloride	< 10 U	< 8 U	**170**	< 20 U	**3000 D**	**800**	**220**	**34**	1.7	< 1 U	**21**
o-Xylene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Styrene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Toluene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	0.22 J	< 1 U	< 1 U
trans-1,2-Dichloroethene	**9 J**	< 8 U	< 20 U	< 20 U	**6**	**10 J**	**8.2 J**	**8.6 J**	4.6	1.2	0.93 J
Trans-1,3-Dichloropropene	< 10 U	< 8 U	< 20 U	< 20 U	< 5 U	< 25 U	< 10 U	< 20 U	< 1 U	< 1 U	< 1 U
Trichloroethene	**15**	**12**	**55**	**40**	**690**	**350**	**63**	**88**	3.9	2.5	**39**
Vinyl chloride	**290 F1**	**650**	**2500**	**2200 F1**	**160**	**210**	**530**	**1100**	**85**	**22**	**35**
Xylene (total)	< 20 U	----	< 40 U	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-02(1)	87-04(1)	87-04(1)
	87-02(1)-20181211	BAT-87-02 (1)190326	BAT-87-02(1)-200114	BAT-87-02(1)-200522	BAT-87-02(1)-200819	BAT-87-02(1)-201013	MW87-02(1)-20210316	MW87-02(1)-20211006	87-02-1-220318	87-04(1)-20170522	87-04(1)-20181212
	12/11/2018	3/26/2019	1/14/2020	5/22/2020	8/19/2020	10/13/2020	3/16/2021	10/6/2021	3/18/2022	5/22/2017	12/12/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	2.33	5.5	0.44	0.7	1.6	----	4.94	0.22	0.21	----	----
Oxidation Reduction Potential	-337.7	-179.3	-173.8	-245.1	-264.9	----	-342.2	-311.4	-294.5	----	----
pH	7.55	7.35	7.08	7.09	7.2	----	7.2	7.08	7	----	----
Specific Conductivity	2.45	1.855	2.463	2.633	2.185	----	2.1	2.621	2.545	----	----
Temperature	13.97	11.81	14.57	14.62	16.6	----	12.81	15.7	14.5	----	----
Turbidity	----	----	----	----	1.84	----	2.08	1.53	0.62	----	----
GASES											
Ethane	< 2.1 U	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	----	< 7.5 U	< 83 U	< 83 U	----	----
Ethylene	560 D	210	56	69	420	----	270	180	130	----	----
Methane	200	210	67	370	430	----	500	330	270	----	----
GEN CHEMISTRY											
Sulfate	0.291	327	1180	808	656	----	563	1040	996	----	----
Total organic carbon	0.0055	2.5	2.5	3.4	3.2	----	2.8	2.6	3.8	----	----
VOLATILES											
1,1,1-Trichloroethane	4.4	1.2	**24**	**25**	< 5 U	3.5	**5.4**	**28**	**35**	< 2 U	< 20 U
1,1,2,2-Tetrachloroethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	36	----	20	----	----	----
1,1,2-Trichloroethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
1,1-Dichloroethane	**12**	4.5	**12**	**16**	**18**	**15**	**20**	**16**	**20**	2.9	**6.8 J**
1,1-Dichloroethene	< 2.5 U	< 1 U	< 1 U	0.86 J	< 5 U	< 1 U	1.2	< 10 U	< 10 U	2.9	**26**
1,2-Dichloroethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
1,2-Dichloropropane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	----	< 1 U	----	< 10 U	< 2 U	< 20 U
2-Butanone	< 13 U	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U	< 10 U	< 100 U	< 100 U	< 10 U	< 100 U
2-Hexanone	< 13 U	< 5 U	< 5 U	< 5 U	< 25 U	< 5 U	< 5 U	< 50 U	< 50 U	< 10 U	< 100 U
4-Methyl-2-pentanone	< 13 U	< 5 U	< 5 U	< 5 U	< 25 U	< 5 U	< 5 U	< 50 U	< 50 U	< 10 U	< 100 U
Acetone	< 13 U	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U	< 10 U	< 100 U	< 100 U	< 10 U	< 100 U
Benzene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Bromodichloromethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Bromoform	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Bromomethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Carbondisulfide	9	< 1 U	< 1 U	0.4 J	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	**100**
Carbontetrachloride	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Chlorobenzene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Chloroethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Chloroform	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	0.8 J	**22**
Chloromethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
cis-1,2-Dichloroethene	**190**	**9**	**64**	**340**	**290**	**75**	**540**	**390**	**280**	**290**	**1600**
cis-1,3-Dichloropropene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Dibromochloromethane	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Ethylbenzene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
m,p-xylene	< 5 U	< 2 U	< 2 U	< 2 U	< 10 U	< 2 U	< 2 U	< 20 U	< 20 U	< 4 U	< 40 U
Methylene Chloride	< 2.5 U	< 1 U	**46**	**2800**	< 5 U	< 1 U	**6.6**	< 10 U	**6.5 J**	**31**	**64000 D**
o-Xylene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Styrene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Tetrachloroethene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Toluene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	**5.8 J**
trans-1,2-Dichloroethene	3.9	0.92 J	1.3	1.7	< 5 U	2.8	2.7	< 10 U	< 10 U	3.6	**28**
Trans-1,3-Dichloropropene	< 2.5 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 10 U	< 10 U	< 2 U	< 20 U
Trichloroethene	**13**	2.5	**17**	**16**	**44**	**17**	**26**	**16**	**17**	**36**	**770**
Vinyl chloride	**330**	**22**	**69**	**220**	**220**	**94**	**300**	**220**	**240**	**210**	**980**
Xylene (total)	----	----	----	----	----	< 2 U	----	< 20 U	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-04(1)	87-05(1)	87-05(1)	87-05(1)	87-08(1)	87-08(1)
	BAT-87-04(1)-200116	BAT-87-04(1)-200527	BAT-87-04(1)-200821	MW87-04(1)-20210318	MW87-04(1)-20211013	87-04(1)-220323	87-05(1)-20170523	87-05(1)-20181210	87-05-1-220321	87-08(1)-20171114	87-08(1)-20180124
	1/16/2020	5/27/2020	8/21/2020	3/18/2021	10/13/2021	3/23/2022	5/23/2017	12/10/2018	3/21/2022	11/14/2017	1/24/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.5	0.46	0.48	1.35	0.27	0.31	----	----	0.81	0.61	3.41
Oxidation Reduction Potential	-318.2	-339.9	-347.6	-365.9	-364.8	-532.2	----	----	-350.9	-51.8	-105.9
pH	6.67	7.32	6.57	8.29	6.67	6.53	----	----	7.48	7.46	7.2
Specific Conductivity	2.317	2.749	2.437	1.62	2.062	3.42	----	----	2.26	1.35	0.965
Temperature	9.84	13.25	15.1	10	15	8.8	----	----	11.7	11.8	8.66
Turbidity	----	----	294	2.63	1.63	135	----	----	3.21	----	----
GASES											
Ethane	< 83 U	< 170 U	< 83 U	3.3 J	< 330 U	< 170 U	----	----	< 7.5 U	< 1 U	< 1 U
Ethylene	260	260	240	150	210 J	320	----	----	76	20	69
Methane	530	390	310	970	1700	1700	----	----	280	23	15
GEN CHEMISTRY											
Sulfate	413	708	520	490	80.2	126	----	----	5.6 J	0.348	0.122
Total organic carbon	93.4	28.2	44.8	50.2	183	698	----	----	57.7	0.0036	0.0505
VOLATILES											
1,1,1-Trichloroethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	**140**	**23 J**	< 20 U	2.6	3.5 J
1,1,2,2-Tetrachloroethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
1,1-Dichloroethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	**42 J**	**23 J**	**23**	4.7	**6.4**
1,1-Dichloroethene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	**23 J**	< 20 U	4.2	4.2 J
1,2-Dichloroethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
1,2-Dichloropropane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
2-Butanone	< 25000 U	< 25000 U	< 25000 U	< 25000 U	< 25000 U	< 5000 U	< 250 U	< 250 U	< 200 U	< 13 U	< 25 U
2-Hexanone	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 2500 U	< 250 U	< 250 U	< 100 U	< 13 U	< 25 U
4-Methyl-2-pentanone	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 13000 U	< 2500 U	< 250 U	< 250 U	< 100 U	< 13 U	< 25 U
Acetone	< 25000 U	< 25000 U	< 25000 U	< 25000 U+	< 25000 U	< 5000 U	< 250 U	< 250 U	**87 J**	4.5 J	9.3 J
Benzene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Bromodichloromethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Bromoform	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Bromomethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Carbondisulfide	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	**72**	6.7 J	< 2.5 U	12
Carbontetrachloride	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Chlorobenzene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Chloroethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Chloroform	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Chloromethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
cis-1,2-Dichloroethene	< 2500 U	< 2500 U	< 2500 U	**2400 J**	< 2500 U	**860**	**6900**	**7200**	**200**	**720 D**	**780**
cis-1,3-Dichloropropene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Dibromochloromethane	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Ethylbenzene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
m,p-xylene	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 1000 U	< 100 U	< 100 U	< 40 U	< 5 U	< 10 U
Methylene Chloride	**71000**	**110000**	**89000**	**180000**	**83000**	**26000**	**2100**	< 50 U	**19 J**	< 2.5 U	**14**
o-Xylene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Styrene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Tetrachloroethene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Toluene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	**12 J**	**12 J**	< 20 U	< 2.5 U	< 5 U
trans-1,2-Dichloroethene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	**31 J**	< 20 U	3.4	3.9 J
Trans-1,3-Dichloropropene	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 500 U	< 50 U	< 50 U	< 20 U	< 2.5 U	< 5 U
Trichloroethene	**1200 J**	**1300 J**	< 2500 U	**1900 J**	**1400 J**	**510**	**1300**	**670**	**25**	**7**	**39**
Vinyl chloride	< 2500 U	< 2500 U	< 2500 U	< 2500 U	< 2500 U	**510**	**460**	**1900**	**74**	**190**	**500**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)	87-08(1)
	87-08(1)-20180228	87-08(1)-20180321	87-08(1)-20180620	87-08(1)-20180920	87-08(1)-20181031	87-08(1)-20181213	BAT-87-08(1)-200115	BAT-87-08(1)-200527	BAT-87-08(1)-200820	BAT-87-08(1)-201014	MW87-08(1)-20210318
	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018	1/15/2020	5/27/2020	8/20/2020	10/14/2020	3/18/2021
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	1.88	0.72	2.72	4	----	0.81	0.54	0.52	0.37	----	1.5
Oxidation Reduction Potential	-119.7	-266.2	-222.6	-265.3	----	-342.6	-277.3	-321.6	-334.3	----	-264.3
pH	8.18	7.55	7.18	6.18	7.22	7.47	7.11	7.74	6.89	----	7.34
Specific Conductivity	0.974	1.061	0.962	1.064	0.893	1.226	1.197	1.243	1.322	----	0.683
Temperature	9.43	7.48	10.23	12.6	12.22	11.5	10.5	10.97	12	----	9.42
Turbidity	----	----	----	----	----	----	----	----	368	----	2.06
GASES											
Ethane	< 4 U	< 5.2 U	< 5.2 U	< 5.2 U	----	< 5.2 U	< 170 U	< 7.5 U	< 7.5 U	----	< 7.5 U
Ethylene	130	170	380	640 D	----	610 D	1000	650	590	----	490
Methane	15	36	69	250	----	630 D	1900	2000	1600	----	2200
GEN CHEMISTRY											
Sulfate	0.0961	0.0753	0.305	0.255	----	0.135	143	180	300	----	210
Total organic carbon	0.0458	0.0471	0.0041	0.0034	----	0.0039	2.4	3.6	3.3	----	2.4
VOLATILES											
1,1,1-Trichloroethane	**6.1 J**	**8 J**	1.9 J	**8.6**	**8.5 J**	**9.3**	< 20 U	< 20 U	**52**	< 10 U	**9 J**
1,1,2,2-Tetrachloroethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	11	----
1,1,2-Trichloroethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
1,1-Dichloroethane	**15**	**20**	**6.6**	**15**	**24**	**16**	**22**	**22**	**67**	**13**	**15**
1,1-Dichloroethene	**8.4 J**	**9 J**	0.94 J	3.7	**6.2 J**	2.7 J	< 20 U	< 20 U	**28**	< 10 U	**5.7 J**
1,2-Dichloroethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
1,2-Dichloropropane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	----	< 10 U
2-Butanone	< 50 U	< 50 U	< 13 U	4 J	< 50 U	< 25 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U
2-Hexanone	< 50 U	< 50 U	< 13 U	< 13 U	< 50 U	< 25 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U
4-Methyl-2-pentanone	< 50 U	< 50 U	< 13 U	< 13 U	< 50 U	< 25 U	< 100 U	< 100 U	< 100 U	< 50 U	< 50 U
Acetone	< 50 U	< 50 U	6.3 J	11 J	< 50 U	< 25 U	< 200 U	< 200 U	< 200 U	< 100 U	< 100 U+
Benzene	< 10 U	< 10 U	< 2.5 U	0.53 J	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Bromodichloromethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Bromoform	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Bromomethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 UF2	< 10 U
Carbondisulfide	12	17	6.6	11	**61**	21	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Carbontetrachloride	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Chlorobenzene	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Chloroethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Chloroform	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Chloromethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
cis-1,2-Dichloroethene	**1500**	**1800**	**160**	**500**	**660**	**590**	**670**	**1300**	**5800**	**680 F1**	**890**
cis-1,3-Dichloropropene	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Dibromochloromethane	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Ethylbenzene	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
m,p-xylene	< 20 U	< 20 U	< 5 U	< 5 U	< 20 U	< 10 U	< 40 U	< 40 U	< 40 U	< 20 U	< 20 U
Methylene Chloride	**190**	**110**	< 2.5 U	**1100 D**	**290**	< 5 U	< 20 U	**69**	**1600**	**100**	< 10 U
o-Xylene	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Styrene	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Tetrachloroethene	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
Toluene	< 10 U	< 10 U	< 2.5 U	0.95 J	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 U	< 10 U
trans-1,2-Dichloroethene	**9 J**	**9.7 J**	3.8	**6.6**	**8.8 J**	**7.3**	< 20 U	< 20 U	**20**	< 10 U	**12**
Trans-1,3-Dichloropropene	< 10 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 5 U	< 20 U	< 20 U	< 20 U	< 10 UF1	< 10 U
Trichloroethene	**37**	**32**	**6.1**	**700 D**	**46**	**12**	**22**	**42**	**84**	5 J	**42**
Vinyl chloride	**1200**	**1300**	**360**	**640 D**	**810**	**680**	**660**	**750**	**1800**	**410 F1**	**680**
Xylene (total)	----	----	----	----	----	----	----	----	----	< 20 U	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-08(1)	87-08(1)	87-08(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)	87-10(1)
	MW-87-08(1)-20211011	DUP-220322	87-08(1)-220322	87-10(1)-20170523	87-10(1)-20181210	BAT-87-10-(1)-190327	BAT-87-10(1)-200818	MW87-10(1)-20210316	DUP-1-20211004	MW-87-10(1)-20211004	87-10-1-220321
	10/11/2021	3/22/2022	3/22/2022	5/23/2017	12/10/2018	3/27/2019	8/18/2020	3/16/2021	10/4/2021	10/4/2021	3/21/2022
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	3.55	----	0.34	----	1.67	----	0.57	1.05	----	0.09	0.3
Oxidation Reduction Potential	-317.6	----	-159.7	----	-264	-357.7	-295.1	-299.4	----	-309.4	-301.6
pH	7.29	----	7.41	----	7.56	6.77	7.01	7.08	----	7.01	7.11
Specific Conductivity	0.861	----	0.82	----	1.908	2.191	2.664	2.06	----	2.904	2.729
Temperature	14.2	----	8.7	----	12.81	11.35	15.9	10.83	----	16.4	11.1
Turbidity	0.14	----	1.43	----	----	----	0.05	1.89	----	0.28	0.71
GASES											
Ethane	< 7.5 U	< 83 U	< 83 U	----	----	< 7.5 U	< 83 U	< 83 U	----	< 7.5 U	< 7.5 U
Ethylene	650	140	150	----	----	180	290	250	----	220	250
Methane	2000	2900	3300	----	----	60	150	130	----	96	180
GEN CHEMISTRY											
Sulfate	273	195	193	----	----	836	1000	1220	----	1240	1190
Total organic carbon	2	2.5	2.6	----	----	2.9	3.2	3.4	----	2.8	3.7
VOLATILES											
1,1,1-Trichloroethane	< 10 U	< 40 U	**31**	3.6 J	**36**	< 50 U	< 50 U	**27**	< 100 U	**27**	**38**
1,1,2,2-Tetrachloroethane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	< 100 U	39	----
1,1,2-Trichloroethane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
1,1-Dichloroethane	**21**	**25 J**	**24**	2.3 J	**17**	< 50 U	< 50 U	**18 J**	< 100 U	**18 J**	**24**
1,1-Dichloroethene	3.4 J	**12 J**	**12 J**	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	**6.9 J**	< 20 U
1,2-Dichloroethane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
1,2-Dichloropropane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	----	----	< 20 U
2-Butanone	< 100 U	< 400 U	< 200 U	< 25 U	< 50 U	< 500 U	< 500 U	< 200 U	< 1000 U	< 200 U	< 200 U
2-Hexanone	< 50 U	< 200 U	< 100 U	< 25 U	< 50 U	< 250 U	< 250 U	< 100 U	< 500 U	< 100 U	< 100 U
4-Methyl-2-pentanone	< 50 U	< 200 U	< 100 U	< 25 U	< 50 U	< 250 U	< 250 U	< 100 U	< 500 U	< 100 U	< 100 U
Acetone	< 100 U+	< 400 U	< 200 U	6.5 J	< 50 U	< 500 U	< 500 U	< 200 U	< 1000 U	< 200 U	< 200 U
Benzene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Bromodichloromethane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Bromoform	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Bromomethane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Carbondisulfide	< 10 U	< 40 U	< 20 U	< 5 U	26	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Carbontetrachloride	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Chlorobenzene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Chloroethane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Chloroform	< 10 U	< 40 U	< 20 U	1.4 J	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Chloromethane	< 10 U+	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
cis-1,2-Dichloroethene	**670**	**2800**	**2200**	**130**	**1100**	**1900**	**5000**	**780**	**2500**	**2900**	**730**
cis-1,3-Dichloropropene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Dibromochloromethane	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Ethylbenzene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
m,p-xylene	< 20 U	< 80 U	< 40 U	< 10 U	< 20 U	< 100 U	< 100 U	< 40 U	< 200 U	< 40 U	< 40 U
Methylene Chloride	< 10 U	< 40 U	**13 J**	< 5 U	**5.2 J**	**22 J**	**44 J**	< 20 U	**83 J**	**23**	**20**
o-Xylene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Styrene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Tetrachloroethene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Toluene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
trans-1,2-Dichloroethene	**12**	< 40 U	< 20 U	< 5 U	**7.4 J**	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Trans-1,3-Dichloropropene	< 10 U	< 40 U	< 20 U	< 5 U	< 10 U	< 50 U	< 50 U	< 20 U	< 100 U	< 20 U	< 20 U
Trichloroethene	**7.7 J**	< 40 U	**16 J**	**890**	**89**	**610**	**110**	**37**	**84 J**	**82**	**90**
Vinyl chloride	**890**	**950**	**950**	**12**	**410**	**400**	**770**	**510**	**680**	**760**	**720**
Xylene (total)	----	----	----	----	----	----	----	----	< 200 U	< 40 U	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-11(1)	87-11(1)	87-11(1)	87-11(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)
	87-11(1)-20171116	87-11(1)-20181213	87-11(1)-20190328	87-11(1)-220322	87-12(1)-20170523	87-12(1)-20171114	87-12(1)-20180123	87-12(1)-20180227	87-12(1)-20180320	87-12(1)-20180619	87-12(1)-20180918
	11/16/2017	12/13/2018	3/28/2019	3/22/2022	5/23/2017	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	----	1.17	----	0.22	----	1.59	1.43	0.14	0.06	0.82	0
Oxidation Reduction Potential	----	-304.4	-351.6	-314.1	----	-71.3	-292.2	-89	-191.6	-320.2	-298.1
pH	6.41	5.92	6.44	6.61	----	6.85	7.13	7.96	7.72	6.85	6.9
Specific Conductivity	3.079	1.277	1.276	1.415	----	2.459	2.36	2.16	2.522	1.727	2.273
Temperature	11.26	11.26	10.75	10.5	----	14.9	11.66	11.18	8.94	13.44	18.71
Turbidity	----	----	----	----	----	----	----	----	----	----	----
GASES											
Ethane	----	----	< 170 U	< 83 U	----	4.2	3.6	< 1 U	< 5.2 U	< 5.2 U	< 5.2 U
Ethylene	----	----	590	820	----	42	310	160	270	310	390
Methane	----	----	2000	3500	----	54	47	21	46	130	56
GEN CHEMISTRY											
Sulfate	----	----	99.3	9.2 J	----	0.954	0.55	0.312	0.8	0.763	0.523
Total organic carbon	----	----	59	114	----	0.003	0.0101	0.003	0.0051	0.0035	0.0034
VOLATILES											
1,1,1-Trichloroethane	**53**	< 50 U	< 200 U	< 100 U	**30**	**32**	**29**	**15**	**28**	**31**	**16**
1,1,2,2-Tetrachloroethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
1,1-Dichloroethane	**33 J**	**14 J**	< 200 U	< 100 U	**19**	**29**	**24**	**14**	**25**	**27**	**13**
1,1-Dichloroethene	< 50 U	< 50 U	< 200 U	< 100 U	**7.2 J**	< 20 U	< 10 U	< 10 U	< 20 U	**5.2 J**	< 2 U
1,2-Dichloroethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
1,2-Dichloropropane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
2-Butanone	< 250 U	< 250 U	< 2000 U	< 1000 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U
2-Hexanone	< 250 U	< 250 U	< 1000 U	< 500 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U
4-Methyl-2-pentanone	< 250 U	< 250 U	< 1000 U	< 500 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U
Acetone	< 250 U	< 250 U	< 2000 U	< 1000 U	< 50 U	< 100 U	< 50 U	< 50 U	< 100 U	< 50 U	< 10 U
Benzene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Bromodichloromethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Bromoform	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Bromomethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	**6.2 J**	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Carbondisulfide	< 50 U	**81**	< 200 U	19 J	< 10 U	< 20 U	31	12	23	21	4.3
Carbontetrachloride	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Chlorobenzene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Chloroethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Chloroform	**18 J**	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Chloromethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	**5.2 J**	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
cis-1,2-Dichloroethene	**2500**	**120**	**160 J**	**370**	**2200 D**	**3000**	**970**	**700**	**1300**	**1200**	**54**
cis-1,3-Dichloropropene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Dibromochloromethane	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Ethylbenzene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
m,p-xylene	< 100 U	< 100 U	< 400 U	< 200 U	< 20 U	< 40 U	< 20 U	< 20 U	< 40 U	< 20 U	< 4 U
Methylene Chloride	**11000 D**	**8000**	**12000 F1**	**4300**	< 10 U	< 20 U	**84**	< 10 U	< 20 U	**410**	< 2 U
o-Xylene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Styrene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Tetrachloroethene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Toluene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
trans-1,2-Dichloroethene	< 50 U	**14 J**	< 200 U	< 100 U	**8.7 J**	**12 J**	**7.3 J**	**5.7 J**	**7.2 J**	**7.4 J**	2.4
Trans-1,3-Dichloropropene	< 50 U	< 50 U	< 200 U	< 100 U	< 10 U	< 20 U	< 10 U	< 10 U	< 20 U	< 10 U	< 2 U
Trichloroethene	**76**	**31 J**	< 200 U	**130**	**14**	**18 J**	**17**	**13**	**33**	**76**	**5.6**
Vinyl chloride	**1500**	**250**	**280**	**480**	**1700**	**2300**	**1400**	**1200**	**2200**	**1100**	**180**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-12(1)	87-13(1)	87-13(1)	87-13(1)
	87-12(1)-20181211	BAT-87-12(1)-190326	BAT-87-12(1)-200113	BAT-87-12(1)-200521	BAT-87-12(1)-200817	MW87-12(1)-20210316	MW-87-12(1)-20211005	87-12(1)-220324	87-13(1)-20170522	87-13(1)-20171114	87-13(1)-20180123
	12/11/2018	3/26/2019	1/13/2020	5/21/2020	8/17/2020	3/16/2021	10/5/2021	3/23/2022	5/22/2017	11/14/2017	1/23/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	1.47	0.84	0.16	0.59	0.41	0.83	0.09	1.11	----	0.79	----
Oxidation Reduction Potential	-337.9	-311.6	-255.3	-209.4	-303.4	-267.1	-308.2	-248	----	-62	----
pH	7.37	6.65	6.9	6.96	7	6.97	6.97	7.05	----	7.21	----
Specific Conductivity	2.824	2.715	2.606	3.504	2.605	2.01	2.551	2.48	----	1.321	----
Temperature	12.21	10.82	11.92	11.54	16.4	11.7	16.6	10.3	----	13.9	----
Turbidity	----	----	----	----	1.2	1.48	1.1	1.74	----	----	----
GASES											
Ethane	5.2	< 7.5 U	< 7.5 U	< 7.5 U	< 7.5 U	< 83 U	< 7.5 U	< 83 U	----	3.9	----
Ethylene	590 D	610	530	490	430	290	380	540	----	150 D	----
Methane	150	190	240	190	440	180	300	330	----	520 D	----
GEN CHEMISTRY											
Sulfate	0.832	961	858	1080	882	1180	980	1030	----	0.785	----
Total organic carbon	0.0037	2.3	2.3	2.7	3.1	2.8	3	3.2	----	0.0032	----
VOLATILES											
1,1,1-Trichloroethane	**30**	< 50 U	< 50 U	< 50 U	**62**	< 80 U	**55**	< 25 U	**1100**	**1100**	**3300**
1,1,2,2-Tetrachloroethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	170	----	----	----	----
1,1,2-Trichloroethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
1,1-Dichloroethane	**27**	**33 J**	**36 J**	**39 J**	**71**	**36 J**	**57**	**35**	**320 J**	**130 J**	**280**
1,1-Dichloroethene	4	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	**120 J**	**210**
1,2-Dichloroethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
1,2-Dichloropropane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	----	< 25 U	< 500 U	< 200 U	< 200 U
2-Butanone	< 10 U	< 500 U	< 500 U	< 500 U	< 500 U	< 800 U	< 500 U	< 250 U	< 2500 U	< 1000 U	< 1000 U
2-Hexanone	< 10 U	< 250 U	< 250 U	< 250 U	< 250 U	< 400 U	< 250 U	< 130 U	< 2500 U	< 1000 U	< 1000 U
4-Methyl-2-pentanone	< 10 U	< 250 U	< 250 U	< 250 U	< 250 U	< 400 U	< 250 U	< 130 U	< 2500 U	< 1000 U	< 1000 U
Acetone	< 10 U	< 500 U	< 500 U	< 500 U	< 500 U	< 800 U	< 500 U	< 250 U	< 2500 U	< 1000 U	< 1000 U
Benzene	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Bromodichloromethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	**230**	< 200 U	< 200 U
Bromoform	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Bromomethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Carbondisulfide	10	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Carbontetrachloride	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Chlorobenzene	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Chloroethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Chloroform	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	**1200**	< 200 U	< 200 U
Chloromethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	**46 J**	< 200 U
cis-1,2-Dichloroethene	**1100 D**	**840**	**910**	**1400**	**4900**	**2700**	**4600**	**880**	**80000**	**19000**	**36000**
cis-1,3-Dichloropropene	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Dibromochloromethane	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Ethylbenzene	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
m,p-xylene	0.46 J	< 100 U	< 100 U	< 100 U	< 100 U	< 160 U	< 100 U	< 50 U	< 1000 U	< 400 U	< 400 U
Methylene Chloride	< 2 U	< 50 U	< 50 U	**55**	< 50 U	< 80 U	**22 J**	**40**	**94000 D**	**3500**	**17000**
o-Xylene	0.4 J	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Styrene	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Tetrachloroethene	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	**310**
Toluene	0.54 J	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	**160**
trans-1,2-Dichloroethene	**7.5**	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Trans-1,3-Dichloropropene	< 2 U	< 50 U	< 50 U	< 50 U	< 50 U	< 80 U	< 50 U	< 25 U	< 500 U	< 200 U	< 200 U
Trichloroethene	**32**	**28 J**	**36 J**	**34 J**	**98**	**54 J**	**50**	**22 J**	**40000**	**17000**	**120000**
Vinyl chloride	**1500 D**	**1900**	**1500**	**1700**	**2600**	**2700**	**2100**	**1100**	**3000**	**1300**	**1600**
Xylene (total)	----	----	----	----	----	----	< 100 U	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-13(1)
	87-13(1)-20180124	87-13(1)-20180227	87-13(1)-20180228	87-13(1)-20180320	87-13(1)-20180321	87-13(1)-20180620	87-13(1)-20180920	87-13(1)-20181212	BAT-87-13-(1)-190327	BAT-87-13(1)-200117	BAT-87-13(1)-200526
	1/24/2018	2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	3/27/2019	1/17/2020	5/26/2020
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.54	----	0.62	----	0.11	1.82	----	5.55	----	0.78	0.78
Oxidation Reduction Potential	-245.8	----	-213.5	----	-255.5	-270	-257.4	-263.8	-347.5	-292.2	-312.3
pH	6.65	----	7.87	----	6.99	6.47	5.66	5.44	6.1	6.41	6.5
Specific Conductivity	2.725	----	3.202	----	3.232	2.978	3.425	3.889	3.219	4.986	5.109
Temperature	10.78	----	11.37	----	8.76	12.16	15.42	13.27	12.31	11.4	14.53
Turbidity	----	----	----	----	----	----	----	----	----	----	----
GASES											
Ethane	6.3	----	140	----	7.4	8.9	6.2	5.7	20 H	9 J	< 83 U
Ethylene	110	----	130	----	210	150	83	170	270 H	210	230
Methane	130	----	7.5	----	200	180	130	150	240 H	280	240
GEN CHEMISTRY											
Sulfate	0.451	----	0.612	----	0.579	0.547	0.472	0.798	840	899	925
Total organic carbon	0.0107	----	0.32	----	0.247	0.27	0.181	0.138	132 B	189	205
VOLATILES											
1,1,1-Trichloroethane	**3300**	**1600**	**1600 D**	**2000**	**2000**	**1700**	< 1000 U	**2000**	< 8000 U	< 8000 U	< 8000 U
1,1,2,2-Tetrachloroethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
1,1-Dichloroethane	**280**	**360**	**360 J**	**520**	**520 J**	**570 J**	< 1000 U	**1100**	< 8000 U	< 8000 U	< 8000 U
1,1-Dichloroethene	**210**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**530 J**	< 8000 U	< 8000 U	< 8000 U
1,2-Dichloroethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
1,2-Dichloropropane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
2-Butanone	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 80000 U	< 80000 U	< 80000 U
2-Hexanone	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 40000 U	< 40000 U	< 40000 U
4-Methyl-2-pentanone	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 40000 U	< 40000 U	< 40000 U
Acetone	< 1000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 80000 U	< 80000 U	< 80000 U
Benzene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Bromodichloromethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Bromoform	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Bromomethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Carbondisulfide	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**1100**	< 8000 U	< 8000 U	< 8000 U
Carbontetrachloride	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Chlorobenzene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Chloroethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Chloroform	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Chloromethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
cis-1,2-Dichloroethene	**36000**	**38000**	**38000 D**	**42000**	**42000**	**44000**	**91000**	**110000**	**160000**	**170000**	**180000**
cis-1,3-Dichloropropene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Dibromochloromethane	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Ethylbenzene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
m,p-xylene	< 400 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 16000 U	< 16000 U	< 16000 U
Methylene Chloride	**17000**	**87000**	**87000 D**	**120000**	**120000**	**490000 D**	**1000000**	**560000 D**	**600000**	**780000**	**630000**
o-Xylene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Styrene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Tetrachloroethene	**310**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Toluene	**160 J**	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
trans-1,2-Dichloroethene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**330 J**	< 8000 U	< 8000 U	< 8000 U
Trans-1,3-Dichloropropene	< 200 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 8000 U	< 8000 U	< 8000 U
Trichloroethene	**120000 D**	**65000**	**65000 D**	**84000**	**84000**	**88000**	**170000**	**140000**	**200000**	**210000**	**220000**
Vinyl chloride	**1600**	**2200**	**2200 D**	**2400**	**2400**	**1400**	< 1000 U	**2500**	< 8000 U	< 8000 U	< 8000 U
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-13(1)	87-13(1)	87-13(1)	87-13(1)	87-14(1)	87-14(1)	87-14(1)	87-15(1)	87-15(1)	87-15(1)	87-16(1)
	BAT-87-13(1)-200821	MW87-13(1)-20210322	MW-87-13(1)-20211013	87-13(1)-220323	87-14(1)-20170522	87-14(1)-20181213	87-14(1)-220322	87-15(1)-20170522	87-15(1)-20181212	87-15(1)-220322	BAT-87-16(1)-200116
	8/21/2020	3/22/2021	10/13/2021	3/23/2022	5/22/2017	12/13/2018	3/22/2022	5/22/2017	12/12/2018	3/22/2022	1/16/2020
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.74	2.73	0.47	0.32	----	----	0.39	----	----	0.31	1.08
Oxidation Reduction Potential	-302.1	-287.4	-331.2	-212.6	----	----	-97.9	----	----	-216.1	-56.4
pH	6.23	6.27	6.48	7.78	----	----	6.07	----	----	6.33	6.95
Specific Conductivity	4.742	3.14	3.893	2.46	----	----	2.28	----	----	1.961	2.328
Temperature	15.8	13.05	15.7	10	----	----	10.2	----	----	9.9	8.56
Turbidity	202	5.36	9.11	60	----	----	318	----	----	3.16	----
GASES											
Ethane	< 83 U	10 J	38 J	1800	----	----	180 J	----	----	< 660 U	17 J
Ethylene	130	260	470	5800	----	----	6100	----	----	450 J	39 J
Methane	120	230	200	5300	----	----	1300	----	----	13000	630
GEN CHEMISTRY											
Sulfate	956	856	866	< 20 U	----	----	< 100 U	----	----	< 20 U	103
Total organic carbon	129	180	160	1340	----	----	1620	----	----	703	3.7
VOLATILES											
1,1,1-Trichloroethane	< 5000 U	< 8000 U	< 4000 U	< 200 U	**390**	**410**	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
1,1,2,2-Tetrachloroethane	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
1,1-Dichloroethane	< 5000 U	< 8000 U	< 4000 U	**310**	**170 J**	**350**	< 800 U	3.9 J	**12**	**22**	< 8000 U
1,1-Dichloroethene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	**200 J**	< 800 U	< 5 U	**5.5 J**	< 20 U	< 8000 U
1,2-Dichloroethane	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
1,2-Dichloropropane	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
2-Butanone	< 50000 U	< 80000 U	< 40000 U	< 2000 U	< 1300 U	< 1000 U	< 8000 U	< 25 U	**250**	**400**	< 80000 U
2-Hexanone	< 25000 U	< 40000 U	< 20000 U	< 1000 U	< 1300 U	< 1000 U	< 4000 U	< 25 U	6.7 J	< 100 UF2	< 40000 U
4-Methyl-2-pentanone	< 25000 U	< 40000 U	< 20000 U	< 1000 U	< 1300 U	< 1000 U	< 4000 U	< 25 U	< 50 U	< 100 U	< 40000 U
Acetone	< 50000 U	< 80000 U+	< 40000 U	< 2000 U	**320 J**	< 1000 U	< 8000 U	< 25 U	**89**	**130 J**	< 80000 U
Benzene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Bromodichloromethane	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Bromoform	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Bromomethane	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Carbondisulfide	< 5000 U	< 8000 U	**1100 J**	< 200 U	< 250 U	**140 J**	< 800 U	6.5	44	< 20 U	< 8000 U
Carbontetrachloride	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Chlorobenzene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Chloroethane	< 5000 U	< 8000 U	< 4000 U	**110 J**	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Chloroform	< 5000 U	< 8000 U	< 4000 U	< 200 U	**450**	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Chloromethane	< 5000 U	< 8000 U	< 4000 U	**100 J**	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
cis-1,2-Dichloroethene	**170000**	**250000**	**160000**	**510**	**16000**	**30000**	**1400**	**390**	**1200**	< 20 U	**36000**
cis-1,3-Dichloropropene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Dibromochloromethane	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Ethylbenzene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
m,p-xylene	< 10000 U	< 16000 U	< 8000 U	< 400 U	< 500 U	< 400 U	< 1600 U	< 10 U	< 20 U	< 40 U	< 16000 U
Methylene Chloride	**760000**	**570000**	**200000**	**8500**	**22000**	**54000 D**	**3900**	**4300 D**	**1400**	**64**	**270000**
o-Xylene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Styrene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Tetrachloroethene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Toluene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
trans-1,2-Dichloroethene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	**98 J**	< 800 U	2 J	**13**	**24**	< 8000 U
Trans-1,3-Dichloropropene	< 5000 U	< 8000 U	< 4000 U	< 200 U	< 250 U	< 200 U	< 800 U	< 5 U	< 10 U	< 20 U	< 8000 U
Trichloroethene	**240000**	**350000**	**170000**	**210**	**32000**	**56000 D**	< 800 U	**10**	**17**	< 20 U	**170000**
Vinyl chloride	< 5000 U	< 8000 U	**7200**	< 200 U	**2900**	**8200**	**33000**	**180**	**370**	**21**	< 8000 U
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-16(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)
	BAT-87-16(1)-200528	BAT-87-16(1)-200820	MW87-16(1)-20210317	MW-87-16(1)-20211012	87-16-1-220321	87-17(1)-20171114	87-17(1)-20180124	87-17(1)-20180228	87-17(1)-20180321	87-17(1)-20180620	87-17(1)-20180920
	5/28/2020	8/20/2020	3/17/2021	10/12/2021	3/21/2022	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/20/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.32	0.88	1.4	0.88	0.63	4.02	2.48	2.22	0.33	1.27	2.23
Oxidation Reduction Potential	-32.2	-293.9	-233.5	-337.6	-326.2	-91	-140	-99.1	-80.2	-111.1	-161.1
pH	6.72	8.54	8.5	8.52	9.31	7.26	7.12	8.5	7.98	7.25	6.25
Specific Conductivity	2.843	3.556	2.61	3.213	3.127	2.568	2.184	2.294	2.339	1.961	2.228
Temperature	12.16	14	11.07	15.2	11.3	13.56	10.35	11.39	8.91	12.63	14.61
Turbidity	----	573	7.42	2.82	65.3	----	----	----	----	----	----
GASES											
Ethane	< 83 U	< 330 U	< 83 U	< 83 U	< 83 U	1.3	1.2	12	1.2	1.2	1.5
Ethylene	44 J	< 310 U	62 J	150	140	12	11	70	12	13	14
Methane	490	360	390	380	320	100	66	1.5	68	72	96
GEN CHEMISTRY											
Sulfate	181	188	215	212	150	1.01	1.03	1.06	0.938	1.12	1.15
Total organic carbon	7.8	19.3	26.3	26.6	52.5	0.0037	0.0047	0.0043	0.0039	0.0037	0.0053
VOLATILES											
1,1,1-Trichloroethane	< 8000 U	< 8000 U	< 8000 U	**8300**	**9400**	**110**	**100**	**100**	**100**	**89**	**89**
1,1,2,2-Tetrachloroethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
1,1-Dichloroethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	**26**	**23**	**25**	**22**	**20**	**23**
1,1-Dichloroethene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	1.5	1.4 J	1.3	< 2.5 U	1.2 J	1.8 J
1,2-Dichloroethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
1,2-Dichloropropane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
2-Butanone	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 5 U	< 10 U	< 5 U	< 13 U	< 10 U	< 10 U
2-Hexanone	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 5 U	< 10 U	< 5 U	< 13 U	< 10 U	< 10 U
4-Methyl-2-pentanone	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 40000 U	< 5 U	< 10 U	< 5 U	< 13 U	< 10 U	< 10 U
Acetone	< 80000 U	< 80000 U	< 80000 U	< 80000 U	< 80000 U	1.8 J	< 10 U	< 5 U	< 13 U	< 10 U	5.2 J
Benzene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Bromodichloromethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Bromoform	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Bromomethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Carbondisulfide	< 8000 U	**12000**	< 8000 U	**1500 J**	**2700 J**	1.4	1.4 J	1.2 B	< 2.5 U	< 2 U	2.4
Carbontetrachloride	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Chlorobenzene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Chloroethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Chloroform	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Chloromethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	**40000**	**56000**	**49000**	**100000**	**77000**	**130**	**110**	**120**	**97**	**92**	**190**
cis-1,3-Dichloropropene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Dibromochloromethane	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Ethylbenzene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
m,p-xylene	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 16000 U	< 2 U	< 4 U	< 2 U	< 5 U	< 4 U	< 4 U
Methylene Chloride	**450000**	**540000**	**490000**	**740000**	**430000**	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	**12**
o-Xylene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Styrene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Tetrachloroethene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Toluene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	2.2	2.3	2.2	1.8 J	2 J	2 J
Trans-1,3-Dichloropropene	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 8000 U	< 1 U	< 2 U	< 1 U	< 2.5 U	< 2 U	< 2 U
Trichloroethene	**270000**	**560000**	**490000**	**610000**	**630000**	2.7	2.7	3.2	2.3 J	2.1	**140**
Vinyl chloride	< 8000 U	< 8000 U	< 8000 U	**7600 J**	**12000**	**280 D**	**320**	**340 D**	**290**	**220**	**290**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)	87-17(1)
	87-17(1)-20181031	87-17(1)-20181212	BAT-MW-87-17(1)-190925	BAT-87-17(1)-200115	BAT-87-17(1)-200528	BAT-87-17(1)-200820	BAT-87-17(1)-201014	MW87-17(1)-20210317	DUP 2-20211012	MW-87-17(1)-20211012	87-17-1-220321
	10/31/2018	12/12/2018	9/25/2019	1/15/2020	5/28/2020	8/20/2020	10/14/2020	3/17/2021	10/12/2021	10/12/2021	3/21/2022
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	----	0.78	0.6	0.55	0.76	0.31	----	1.45	----	0.09	0.35
Oxidation Reduction Potential	----	-351	-288.7	-224.6	-120.9	-221	----	-231	----	-269.2	-228.3
pH	7.05	7.32	7.16	7	7.14	6.88	----	6.85	----	7.05	7.08
Specific Conductivity	1.817	2.642	2.681	2.778	2.939	2.782	----	1.89	----	2.578	2.38
Temperature	13.88	12.68	15.2	12.35	13.44	14	----	12.18	----	15.7	12
Turbidity	----	----	----	----	----	-999	----	4.22	----	0.3	0.44
GASES											
Ethane	----	1.4	----	< 7.5 U	< 7.5 U	< 7.5 U	----	< 7.5 U	----	< 7.5 U	< 7.5 U
Ethylene	----	17	----	8.6	6.1 J	8.1	----	8.9	----	7.7	7.4
Methane	----	90	----	77	56	72	----	65	----	51	65
GEN CHEMISTRY											
Sulfate	----	1.02	----	1140	1180	1180	----	1160	----	1150	1170
Total organic carbon	----	0.0036	----	2.4	3	2.9	----	2.9	----	2.4	3.5
VOLATILES											
1,1,1-Trichloroethane	**72**	**74**	**100**	**52**	**12**	**62**	**54**	**51**	**55**	**59**	**72**
1,1,2,2-Tetrachloroethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	< 2 U	----	----	----	750 F1	----	----	----	----
1,1,2-Trichloroethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
1,1-Dichloroethane	**20**	**19**	**29**	**15**	3.6	**20**	**19**	**18**	**19**	**23**	**22**
1,1-Dichloroethene	1.3 J	1.2 J	1.3 J	< 5 U	< 1 U	1.6	3.5 J	< 10 U	< 4 U	< 8 U	< 10 U
1,2-Dichloroethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
1,2-Dichloropropane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	----	< 10 U	< 4 U	< 8 U	< 10 U
2-Butanone	< 10 U	< 10 U	< 20 U	< 50 U	< 10 U	< 10 U	< 50 U	< 100 U	< 40 U	< 80 U	< 100 U
2-Hexanone	< 10 U	< 10 U	< 10 U	< 25 U	< 5 U	< 5 U	< 25 U	< 50 U	< 20 U	< 40 U	< 50 U
4-Methyl-2-pentanone	< 10 U	< 10 U	< 10 U	< 25 U	< 5 U	< 5 U	< 25 U	< 50 U	< 20 U	< 40 U	< 50 U
Acetone	< 10 U	< 10 U	< 20 U	< 50 U	< 10 U	< 10 U	< 50 U	< 100 U	< 40 U	< 80 U	< 100 U
Benzene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Bromodichloromethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Bromoform	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Bromomethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Carbondisulfide	0.85 J	1.6 J	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Carbontetrachloride	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Chlorobenzene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Chloroethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Chloroform	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Chloromethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
cis-1,2-Dichloroethene	**110**	**120**	**140**	**110**	**31**	**97**	**220**	**130**	**120**	**140**	**120**
cis-1,3-Dichloropropene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Dibromochloromethane	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Ethylbenzene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
m,p-xylene	< 4 U	< 4 U	< 4 U	< 10 U	< 2 U	< 2 U	< 10 U	< 20 U	< 8 U	< 16 U	< 20 U
Methylene Chloride	< 2 U	< 2 U	< 2 U	< 5 U	0.57 J	< 1 U	< 5 U	< 10 U	< 4 U	**13**	4.5 J
o-Xylene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Styrene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Tetrachloroethene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Toluene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
trans-1,2-Dichloroethene	2.4	2	2.4	< 5 U	< 1 U	2	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Trans-1,3-Dichloropropene	< 2 U	< 2 U	< 2 U	< 5 U	< 1 U	< 1 U	< 5 U	< 10 U	< 4 U	< 8 U	< 10 U
Trichloroethene	**51**	1.9 J	2.5	4.5 J	**15**	**9.4**	**100**	**58**	3.9 J	5 J	< 10 U
Vinyl chloride	**260**	**260**	**360**	**220**	**63**	**230**	**220 F1**	**340**	**290**	**300**	**320**
Xylene (total)	----	----	< 4 U	----	----	----	< 10 U	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-18(1)	87-18(1)	87-18(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)
	87-18(1)-20170522	87-18(1)-20181210	87-18(1)-220324	87-20(1)-20171114	87-20(1)-20180123	87-20(1)-20180227	87-20(1)-20180320	87-20(1)-20180619	87-20(1)-20180919	87-20(1)-20181030	87-20(1)-20181211
	5/22/2017	12/10/2018	3/23/2022	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	----	----	5.12	0.47	2.79	1.29	0.36	0.24	0.57	----	3.55
Oxidation Reduction Potential	----	----	41.9	-39	-258.1	-77.6	-176.7	-172.3	-192.3	----	-321.5
pH	----	----	6.96	7.31	7.07	7.96	7.92	6.9	6.71	6.5	7.49
Specific Conductivity	----	----	2.908	1.953	2.285	2.547	2.505	1.761	1.585	1.49	2.387
Temperature	----	----	11.1	13.95	11.68	10.83	8.76	11.35	14.95	14.76	11.99
Turbidity	----	----	0.8	----	----	----	----	----	----	----	----
GASES											
Ethane	----	----	< 7.5 U	2.2	2.4	< 1 U	1.7	1.6	< 1 U	----	2.1
Ethylene	----	----	< 7 U	17	81	61	110 D	71	64	----	200 D
Methane	----	----	< 4 U	32	48	7	47	37	36	----	46
GEN CHEMISTRY											
Sulfate	----	----	198	0.735	0.779	0.338	0.562	0.506	0.414	----	0.66
Total organic carbon	----	----	1	0.0025	0.0701	0.0035	0.0061	0.0028	0.0025	----	0.0035
VOLATILES											
1,1,1-Trichloroethane	**27**	**25**	2.7	**26**	**21 J**	4.7 J	**14 J**	**6.4 J**	**7.1 J**	**14**	**11 J**
1,1,2,2-Tetrachloroethane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
1,1-Dichloroethane	**17**	**18**	2.1	**13 J**	**16 J**	4.7 J	**12 J**	**5.1 J**	**8.2 J**	**11**	**9.4 J**
1,1-Dichloroethene	< 5 U	1.3 J	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	3.8 J	4.8 J	**7.6 J**	**5.6 J**
1,2-Dichloroethane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
1,2-Dichloropropane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
2-Butanone	< 25 U	< 13 U	< 10 U	< 130 U	< 250 U	< 25 U	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U
2-Hexanone	< 25 U	< 13 U	< 5 U	< 130 U	< 250 U	< 25 U	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U
4-Methyl-2-pentanone	< 25 U	< 13 U	< 5 U	< 130 U	< 250 U	< 25 U	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U
Acetone	6.7 J	< 13 U	< 10 U	< 130 U	< 250 U	< 25 U	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U
Benzene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Bromodichloromethane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Bromoform	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Bromomethane	< 5 U	< 2.5 U	< 1 U	**9 J**	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Carbondisulfide	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	6.5	24 J	< 10 U	12	18	22
Carbontetrachloride	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Chlorobenzene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Chloroethane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Chloroform	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Chloromethane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
cis-1,2-Dichloroethene	**620**	**130**	**13**	**6200 D**	**4800**	**670**	**2800**	**1200**	**1100**	**2300 D**	**1800**
cis-1,3-Dichloropropene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Dibromochloromethane	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Ethylbenzene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
m,p-xylene	< 10 U	< 5 U	< 2 U	< 50 U	< 100 U	< 10 U	< 50 U	< 20 U	< 20 U	< 20 U	< 40 U
Methylene Chloride	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	**20 J**	< 10 U	< 10 U	< 10 U	< 20 U
o-Xylene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Styrene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Tetrachloroethene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Toluene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
trans-1,2-Dichloroethene	2.6 J	2.1 J	< 1 U	**17 J**	< 50 U	3 J	< 25 U	4.3 J	3.7 J	**7.7 J**	**6.6 J**
Trans-1,3-Dichloropropene	< 5 U	< 2.5 U	< 1 U	< 25 U	< 50 U	< 5 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U
Trichloroethene	3.9 J	4.7	0.81 J	**34**	**39 J**	**13**	**47**	**24**	**18**	**28**	**20 J**
Vinyl chloride	**510**	**310**	1.1	**760**	**1600**	**460**	**1200**	**440**	**420**	**730**	**780**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)	87-20(1)
	BAT-87-20(1)-190326	87-20(1)-20190919	BAT-87-20(1)-190924	BAT-87-20(1)-200113	BAT-87-20(1)-200521	BAT-87-20(1)-200817	BAT-DUP-1-201013	BAT-87-20(1)-201013	MW87-20(1)-20210315	MW-87-20(1)-20211008	87-20-1-220317
	3/26/2019	9/19/2019	9/24/2019	1/13/2020	5/21/2020	8/17/2020	10/13/2020	10/13/2020	3/15/2021	10/8/2021	3/17/2022
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	----	----	1.2	5.47	2.02	1.83	----	----	3.52	0.48	0.96
Oxidation Reduction Potential	-207.1	----	63.5	8.4	-108.2	23.3	----	----	-264	29.2	-71.5
pH	6.99	----	7.12	7.26	7.18	7.39	----	----	6.91	7.24	7.19
Specific Conductivity	2.293	----	1.106	1.241	2.533	0.84	----	----	2.06	1.462	2.901
Temperature	11.75	----	14.6	13.14	10.34	13.9	----	----	11.46	15.8	12.5
Turbidity	----	----	----	----	----	1.9	----	----	1.26	0.48	1.51
GASES											
Ethane	< 7.5 U	----	----	< 7.5 U	< 7.5 U	< 7.5 U	----	----	< 7.5 U	< 7.5 U	< 7.5 U
Ethylene	29	----	----	< 7 U	75	< 7 U	----	----	460	< 7 U	1.6 J
Methane	16	----	----	< 4 U	22	< 4 U	----	----	290	7.8	18
GEN CHEMISTRY											
Sulfate	381	----	----	133	593	145	----	----	1060	1270	378
Total organic carbon	1.9	----	----	1.4	2.3	1.9	----	----	2.7	2.2	2.7
VOLATILES											
1,1,1-Trichloroethane	< 10 U	2.5	2.5	1.2	**7.1**	3	2.8	2.8	**13**	2.8	2.9
1,1,2,2-Tetrachloroethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	6.7	----	----	----	7.9	8.9	----	14	----
1,1,2-Trichloroethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
1,1-Dichloroethane	**5.9 J**	3.5	3.5	1.6	**6.3**	3.5	3	2.9	**13**	3.7	4
1,1-Dichloroethene	3.9 J	< 1 U	< 1 U	< 1 U	2.1	< 1 U	< 1 U	< 1 U	2.2	< 2 U	< 2 U
1,2-Dichloroethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
1,2-Dichloropropane	< 10 U	< 1 U	----	< 1 U	< 1 U	< 1 U	----	----	< 1 U	----	< 2 U
2-Butanone	< 100 U	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U
2-Hexanone	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U
4-Methyl-2-pentanone	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U
Acetone	< 100 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U
Benzene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Bromodichloromethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Bromoform	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Bromomethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Carbondisulfide	< 10 U	< 1 U	< 1 U	< 1 U	0.81 J	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Carbontetrachloride	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Chlorobenzene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Chloroethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Chloroform	< 10 U	< 1 U	2.8	1.9	1.1	2.3	1.9	1.8	0.66 J	1.1 J	< 2 U
Chloromethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
cis-1,2-Dichloroethene	**910**	**20**	**20**	**7.3**	**1000**	**28**	**25**	**25**	**520**	**30**	**73**
cis-1,3-Dichloropropene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Dibromochloromethane	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Ethylbenzene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
m,p-xylene	< 20 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U
Methylene Chloride	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	1 J
o-Xylene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Styrene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Tetrachloroethene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Toluene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	< 10 U	< 1 U	< 1 U	< 1 U	2.8	< 1 U	< 1 U	< 1 U	**7.3**	< 2 U	< 2 U
Trans-1,3-Dichloropropene	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 2 U
Trichloroethene	**14**	**7**	**7**	2.7	**14**	**6.8**	**5.2**	**5.3**	**13**	**6.2**	**5.8**
Vinyl chloride	**380**	< 1 U	< 1 U	1.7	**330**	**2.1**	1.4	1.2	**2300**	**8.4**	**44**
Xylene (total)	----	----	< 2 U	----	----	----	< 2 U	< 2 U	----	< 4 U	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)
	87-22(1)-20171114	87-22(1)-20180123	87-22(1)-20180227	87-22(1)-20180320	87-22(1)-20180619	87-22(1)-20180919	87-22(1)-20181030	87-22(1)-20181211	BAT-87-22(1)-190326	BAT-DUP-02-190924	BAT-MW-87-22(1)-190924
	11/14/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/19/2018	10/30/2018	12/11/2018	3/26/2019	9/24/2019	9/24/2019
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	4.12	3.59	3.5	0.64	0.91	4.15	----	4.7	----	----	0.39
Oxidation Reduction Potential	-81	-172.1	-22.1	-109	-164.5	-225.3	----	-175.2	-270.3	----	-162.9
pH	7.08	7.11	7.81	7.92	6.8	6.08	6.94	5.84	6.72	----	6.98
Specific Conductivity	2.414	2.365	2.195	2.315	1.959	2.339	1.909	1.973	2.017	----	2.983
Temperature	11.33	9.74	9.54	8.31	11.35	11.53	11.3	10.76	10.84	----	11.9
Turbidity	----	----	----	----	----	----	----	----	----	----	----
GASES											
Ethane	2.4	5.7	3.9	4.3	6.1	7.3	----	6.1	7.8 H	----	----
Ethylene	19	190	42	51	87	170	----	140	140 H	----	----
Methane	79	190	110	170	200 D	230 D	----	210	240	----	----
GEN CHEMISTRY											
Sulfate	0.94	1.23	1.05	0.981	1.09	1.13	----	1.07	1130	----	----
Total organic carbon	0.0049	0.0049	0.004	0.006	0.0049	0.0042	----	0.0037	3.4	----	----
VOLATILES											
1,1,1-Trichloroethane	< 5 U	< 25 U	2.2 J	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
1,1,2,2-Tetrachloroethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	< 100 U	< 100 U
1,1,2-Trichloroethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
1,1-Dichloroethane	4.6 J	**9.3 J**	**7.2**	**9.9 J**	**7.8 J**	**11 J**	**11 J**	**9 J**	< 80 U	< 100 U	< 100 U
1,1-Dichloroethene	< 5 U	< 25 U	4.7 J	< 20 U	< 20 U	**11 J**	**9 J**	**7.6 J**	< 80 U	< 100 U	< 100 U
1,2-Dichloroethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
1,2-Dichloropropane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	----	< 100 U
2-Butanone	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 800 U	< 1000 U	< 1000 U
2-Hexanone	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 400 U	< 500 U	< 500 U
4-Methyl-2-pentanone	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 400 U	< 500 U	< 500 U
Acetone	< 25 U	< 130 U	< 25 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 800 U	< 1000 U	< 1000 U
Benzene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Bromodichloromethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Bromoform	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Bromomethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Carbondisulfide	< 5 U	< 25 U	1.6 J	< 20 U	< 20 U	25	26	20 J	< 80 U	< 100 U	< 100 U
Carbontetrachloride	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Chlorobenzene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Chloroethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Chloroform	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Chloromethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
cis-1,2-Dichloroethene	**820**	**2700 D**	**1800 D**	**2500**	**2100**	**3200**	**3300**	**2500**	**2900**	**3300**	**3500**
cis-1,3-Dichloropropene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Dibromochloromethane	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Ethylbenzene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
m,p-xylene	< 10 U	< 50 U	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 160 U	< 200 U	< 200 U
Methylene Chloride	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
o-Xylene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Styrene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Tetrachloroethene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Toluene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
trans-1,2-Dichloroethene	4.3 J	**12 J**	**7.4**	**17 J**	**9.2 J**	**15 J**	**17 J**	**13 J**	< 80 U	< 100 U	< 100 U
Trans-1,3-Dichloropropene	< 5 U	< 25 U	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 80 U	< 100 U	< 100 U
Trichloroethene	2.6 J	**70 D**	**5.6**	**11 J**	**9.8 J**	**18 J**	**20 J**	**18 J**	< 80 U	< 100 U	< 100 U
Vinyl chloride	**430**	**1100 D**	**780**	**1100**	**1100**	**1900**	**1700**	**1300**	**1400**	**1400**	**1500**
Xylene (total)	----	----	----	----	----	----	----	----	----	< 200 U	< 200 U

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	87-22(1)	89-10(1)	89-10(1)	89-10(1)
	BAT-87-22(1)-200113	BAT-87-22(1)-200521	BAT-87-22(1)-200817	BAT-87-22(1)-201013	MW87-22(1)-20210315	MW87-22(1)-20211008	DUP-220317	87-22-1-220317	89-10(1)-20171113	89-10(1)-20180123	89-10(1)-20180227
	1/13/2020	5/21/2020	8/17/2020	10/13/2020	3/15/2021	10/8/2021	3/17/2022	3/17/2022	11/13/2017	1/23/2018	2/27/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.15	0.4	0.52	----	8.47	0.2	----	0.59	1.93	1.17	----
Oxidation Reduction Potential	-188.6	-176	-297.2	----	-229	-269.9	----	-246.6	-73.2	-293.4	-116.7
pH	6.93	6.99	6.93	----	6.89	7.01	----	6.99	7.29	6.85	7.82
Specific Conductivity	2.962	3.259	2.997	----	1.845	2.414	----	2.565	1.964	3.017	4.245
Temperature	10.06	10.05	12.1	----	10.16	13.3	----	12.6	14.23	11.48	12.11
Turbidity	----	----	3.16	----	1.43	0.37	----	1.27	----	----	----
GASES											
Ethane	< 83 U	< 170 U	4 J	----	< 83 U	1.8 J	< 7.5 U	< 7.5 U	2.7	2.1	4
Ethylene	88	< 150 U	160	----	62 J	76	72	64	17	25	71
Methane	230	340	320	----	210	220	210	190	9.6	33	10
GEN CHEMISTRY											
Sulfate	1280	1390	1320	----	1080	1140	1070	1060	0.716	0.897	0.678
Total organic carbon	2.7	3.3	3.6	----	3.4	3.7	3.9	4.4	0.0031	0.1	0.0488
VOLATILES											
1,1,1-Trichloroethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	**9.4**	**85**	**23 J**
1,1,2,2-Tetrachloroethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	< 100 U	----	< 40 U	----	----	----	----	----
1,1,2-Trichloroethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
1,1-Dichloroethane	< 80 U	**13**	< 100 UF1	< 100 U	< 40 U	< 40 U	4.1	< 40 U	**5.9**	**29**	< 50 U
1,1-Dichloroethene	< 80 U	**14**	< 100 U	< 100 U	< 40 U	< 40 U	3.7 J	< 40 U	**5.1**	**20**	< 50 U
1,2-Dichloroethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
1,2-Dichloropropane	< 80 U	< 8 U	< 100 UF1	----	< 40 U	----	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
2-Butanone	< 800 U	< 80 U	< 1000 U	< 1000 U	< 400 U	< 400 U	< 40 U	< 400 U	< 25 U	< 50 U	< 250 U
2-Hexanone	< 400 U	< 40 U	< 500 UF1	< 500 U	< 200 U	< 200 U	< 20 U	< 200 U	< 25 U	< 50 U	< 250 U
4-Methyl-2-pentanone	< 400 U	< 40 U	< 500 UF1	< 500 U	< 200 U	< 200 U	< 20 U	< 200 U	< 25 U	< 50 U	< 250 U
Acetone	< 800 U	< 80 U	< 1000 U	< 1000 U	< 400 U	< 400 U	< 40 U	< 400 U	< 25 U	< 50 U	< 250 U
Benzene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Bromodichloromethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Bromoform	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Bromomethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Carbondisulfide	< 80 U	< 8 U	< 100 U	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	1.3 J	**63**	45 J
Carbontetrachloride	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Chlorobenzene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Chloroethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Chloroform	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	2.5 J	< 10 U	< 50 U
Chloromethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
cis-1,2-Dichloroethene	**4100**	**4300**	**4600 F1**	**3500**	**2400**	**1800**	**1500**	**1400**	**1400 D**	**4300 D**	**1200**
cis-1,3-Dichloropropene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Dibromochloromethane	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Ethylbenzene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
m,p-xylene	< 160 U	< 16 U	< 200 UF1	< 200 U	< 80 U	< 80 U	< 8 U	< 80 U	< 10 U	< 20 U	< 100 U
Methylene Chloride	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	4.1	**23 J**	**660**	**3700 D**	**1600**
o-Xylene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Styrene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Tetrachloroethene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Toluene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	**8.4 J**	< 50 U
trans-1,2-Dichloroethene	< 80 U	**15**	< 100 UF1	< 100 U	< 40 U	< 40 U	4.3	< 40 U	3.5 J	**12**	< 50 U
Trans-1,3-Dichloropropene	< 80 U	< 8 U	< 100 UF1	< 100 U	< 40 U	< 40 U	< 4 U	< 40 U	< 5 U	< 10 U	< 50 U
Trichloroethene	< 80 U	**32**	< 100 UF1	< 100 U	< 40 U	< 40 U	**6**	< 40 U	**1500 D**	**17000 D**	**4600**
Vinyl chloride	**1800**	**2200**	**2600 F1**	**2200**	**1700**	**1300**	**1400**	**1300**	**100**	**360**	**230**
Xylene (total)	----	----	----	< 200 U	----	< 80 U	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)	89-10(1)
	89-10(1)-20180320	89-10(1)-20180619	89-10(1)-20180918	89-10(1)-20181211	BAT-89-10(1)-190327	BAT-89-10(1)-200114	BAT-89-10(1)-200526	BAT-89-10(1)-200819	MW89-10(1)-20210317	MW-89-10(1)-20211008	89-10-1-220321
	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/26/2020	8/19/2020	3/17/2021	10/8/2021	3/21/2022
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.12	2.29	0	3	4.33	0.53	1.16	1.2	1.7	0.92	0.66
Oxidation Reduction Potential	-189.9	-306.3	-325.4	-385.9	-341.3	-269.2	-337.6	-293.8	-376.4	-367.2	-356.1
pH	7.27	7.1	6.71	7.29	6.43	6.98	7.05	6.97	6.99	6.97	6.92
Specific Conductivity	3.433	1.812	2.5	3.447	3.057	3.095	3.904	2.461	2.53	2.807	2.875
Temperature	9.85	13.57	16.7	11.21	11.56	12.4	14.33	16.6	11.14	15.1	12.2
Turbidity	----	----	----	----	----	----	----	0	1.89	0.24	----
GASES											
Ethane	5.4	1.7	3	6.3	10 H	< 83 U	< 170 U	< 7.5 U	13	< 83 U	10
Ethylene	130 D	66	140 D	160	99 H	300	280	120	250	190	380
Methane	15	11	32	66	58 H	120	94	60	300	32 J	89
GEN CHEMISTRY											
Sulfate	0.737	0.618	0.768	0.727	974	1090	853	710	845	986	1050
Total organic carbon	0.0362	0.0118	0.0208	0.0354	56.1	2.6	47.4	15.4	32.3	36	53.7
VOLATILES											
1,1,1-Trichloroethane	**31 J**	**44 J**	**80**	**120**	< 500 U	**25**	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
1,1,2,2-Tetrachloroethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	600	----
1,1,2-Trichloroethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
1,1-Dichloroethane	**18 J**	**13 J**	**35 J**	**57**	< 500 U	**15**	< 80 U	< 80 U	< 80 U	**59 J**	**130**
1,1-Dichloroethene	< 50 U	< 50 U	**20 J**	**33 J**	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	**45 J**	**81 J**
1,2-Dichloroethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
1,2-Dichloropropane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	----	< 100 U
2-Butanone	< 250 U	< 250 U	< 250 U	< 250 U	< 5000 U	< 80 U	< 800 U	< 800 U	< 800 U	< 1000 U	< 1000 U
2-Hexanone	< 250 U	< 250 U	< 250 U	< 250 U	< 2500 U	< 40 U	< 400 U	< 400 U	< 400 U	< 500 U	< 500 U
4-Methyl-2-pentanone	< 250 U	< 250 U	< 250 U	< 250 U	< 2500 U	< 40 U	< 400 U	< 400 U	< 400 U	< 500 U	< 500 U
Acetone	< 250 U	< 250 U	< 250 U	< 250 U	< 5000 U	< 80 U	< 800 U	< 800 U	< 800 U	< 1000 U	< 1000 U
Benzene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Bromodichloromethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Bromoform	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Bromomethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Carbondisulfide	**210**	26 J	**160**	**360**	< 500 U	< 8 U	**61 J**	< 80 U	**61 J**	**99 J**	**180**
Carbontetrachloride	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Chlorobenzene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Chloroethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Chloroform	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Chloromethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
cis-1,2-Dichloroethene	**1900**	**1500**	**3600**	**5000**	**6600**	**4500**	**4800**	**3300**	**2500**	**11000**	**29000**
cis-1,3-Dichloropropene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Dibromochloromethane	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Ethylbenzene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
m,p-xylene	< 100 U	< 100 U	< 100 U	< 100 U	< 1000 U	< 16 U	< 160 U	< 160 U	< 160 U	< 200 U	< 200 U
Methylene Chloride	**4400**	**860**	**2100**	**3100**	**3400**	< 8 U	**1700**	**900**	**2200**	**5700**	**9900**
o-Xylene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Styrene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Tetrachloroethene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Toluene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
trans-1,2-Dichloroethene	< 50 U	< 50 U	< 50 U	**15 J**	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Trans-1,3-Dichloropropene	< 50 U	< 50 U	< 50 U	< 50 U	< 500 U	< 8 U	< 80 U	< 80 U	< 80 U	< 100 U	< 100 U
Trichloroethene	**6400**	**7200**	**8900**	**14000 D**	**19000**	**50**	**7600**	**3900**	**5700**	**11000**	**16000**
Vinyl chloride	**400**	**160**	**450**	**480**	**490 J**	**500**	**1200**	**450**	**550**	**1900**	**3600**
Xylene (total)	----	----	----	----	----	----	----	----	----	< 200 U	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-12(1)
	89-12(1)-20170523	89-12(1)-20171113	89-12(1)-20180123	89-12(1)-20180227	89-12(1)-20180320	89-12(1)-20180619	89-12(1)-20180918	89-12(1)-20181211	BAT-89-12(1)-190327	BAT-89-12(1)-200114	BAT-89-12(1)-200522
	5/23/2017	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	12/11/2018	3/27/2019	1/14/2020	5/22/2020
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	----	2.71	2.01	0.48	0.29	2.87	0.27	1.59	13.69	1.03	1.8
Oxidation Reduction Potential	----	-35.3	-291.7	-98.6	-167.4	-291.8	-185.2	-174	-286	-172.5	-151.9
pH	----	7.37	7.2	7.95	7.7	7.16	7.09	6.15	6.87	6.98	7.01
Specific Conductivity	----	1.773	2.732	3.156	3.009	1.997	2.086	1.999	2.59	3.06	3.107
Temperature	----	13.61	11.52	11.43	9.49	13.38	15.85	13.6	11.98	13.64	11.65
Turbidity	----	----	----	----	----	----	----	----	----	----	----
GASES											
Ethane	----	< 1 U	1.9	3.3	< 10 U	< 10 U	< 10 U	< 5.2 U	< 7.5 U	< 7.5 U	< 83 U
Ethylene	----	5.7	140	330	370	480	600	390	440	260	240
Methane	----	11	30	31	30	42	400	38	42	37	38 J
GEN CHEMISTRY											
Sulfate	----	0.617	0.734	0.822	0.972	0.872	0.848	0.91	1010	1040	1190
Total organic carbon	----	0.0034	0.0356	0.0047	0.0068	0.0039	0.0036	0.0034	2	2.5	3.2
VOLATILES											
1,1,1-Trichloroethane	**22 J**	**13**	**17**	**17**	**21**	**18**	**39**	**17**	**15**	**17**	**16**
1,1,2,2-Tetrachloroethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
1,1-Dichloroethane	**9 J**	**6.3**	**21**	**15**	**14**	**11**	**42**	**12**	**12**	**14**	**12**
1,1-Dichloroethene	< 25 U	3.7 J	< 10 U	< 5 U	< 5 U	0.64 J	**6.8**	< 2 U	< 4 U	< 4 U	< 4 U
1,2-Dichloroethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
1,2-Dichloropropane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
2-Butanone	**130**	< 25 U	< 50 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 40 U	< 40 U	< 40 U
2-Hexanone	**130**	< 25 U	< 50 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U
4-Methyl-2-pentanone	130	< 25 U	< 50 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U
Acetone	36 J	8.7 J	< 10 U	9.9 J	< 25 U	< 10 U	< 10 U	< 10 U	< 40 U	< 40 U	< 40 U
Benzene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Bromodichloromethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Bromoform	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Bromomethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Carbondisulfide	< 25 U	< 5 U	47	8.6	8.5	1.6	22	2.2	< 4 U	< 4 U	< 4 U
Carbontetrachloride	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Chlorobenzene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Chloroethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Chloroform	< 25 U	3 J	< 10 U	< 5 U	< 5 U	< 2 U	0.91 J	< 2 U	< 4 U	< 4 U	< 4 U
Chloromethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	**4300**	**1300 D**	**1900**	**880**	**420**	**180**	**2400 D**	**61**	**55**	**110**	**180**
cis-1,3-Dichloropropene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Dibromochloromethane	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
m,p-xylene	< 50 U	< 10 U	< 20 U	< 10 U	< 10 U	< 4 U	0.43 J	< 4 U	< 8 U	< 8 U	< 8 U
Methylene Chloride	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	**15**	< 2 U	< 4 U	< 4 U	< 4 U
o-Xylene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	0.47 J	< 2 U	< 4 U	< 4 U	< 4 U
Styrene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Tetrachloroethene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Toluene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	0.74 J	< 2 U	< 4 U	< 4 U	< 4 U
trans-1,2-Dichloroethene	**19 J**	**6**	**5.1 J**	3.9 J	3.2 J	3	**8.9**	2.5	< 4 U	< 4 U	< 4 U
Trans-1,3-Dichloropropene	< 25 U	< 5 U	< 10 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Trichloroethene	**490**	**23**	**42**	**30**	**20**	**16**	**61**	4.3	**5.9**	**5.8**	4.2
Vinyl chloride	**270**	**110**	**800**	**780**	**580**	**230**	**1700 D**	**220**	**190**	**320**	**320**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	89-12(1)	89-12(1)	89-12(1)	89-12(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)
	BAT-89-12(1)-200818	MW89-12(1)-20210315	MW-89-12(1)-20211004	89-12-1-220318	89-15(1)-20171114	89-15(1)-20180124	89-15(1)-20180228	89-15(1)-20180321	89-15(1)-20180620	89-15(1)-20180919	89-15(1)-20181031
	8/18/2020	3/15/2021	10/4/2021	3/18/2022	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	3.09	1.47	0.16	0.53	1.74	0.68	2.73	0.34	1.74	0.33	----
Oxidation Reduction Potential	-219.6	-219.3	-179.5	-263.6	-20.3	-153.8	-130.4	-223.9	-242	-282.4	----
pH	7.11	8.35	7.02	7.1	7.39	6.74	8.06	7.2	7.58	6.35	7.02
Specific Conductivity	2.446	2.61	2.734	3.45	1.545	1.211	1.316	1.326	1.514	1.264	1.226
Temperature	15.1	11.94	15.1	12.6	14.24	10.46	10.68	9.03	13.9	15.65	14.8
Turbidity	6.58	1.47	0.39	2.64	----	----	----	----	----	----	----
GASES											
Ethane	< 83 U	< 7.5 U	< 83 U	< 7.5 U	< 1 U	3.6	< 2.5 U	3	< 5.2 U	1.4	----
Ethylene	190	190	170	150	< 1 U	69	150	220 D	340	300 D	----
Methane	40 J	40	37 J	38	21	30	58	110	78	540 D	----
GEN CHEMISTRY											
Sulfate	899 F1	1150	1210	1030	0.386	0.0408	0.0633	0.0335	0.241	0.19	----
Total organic carbon	2.9	2.9	3.1	3.1	0.0034	0.141	0.083	0.0593	0.0189	0.0141	----
VOLATILES											
1,1,1-Trichloroethane	**15**	**19**	**16**	< 10 U	0.97 J	2.2	< 50 U	< 50 U	**21**	1.1 J	1.7
1,1,2,2-Tetrachloroethane	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	23	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
1,1-Dichloroethane	**10**	**13**	**12**	**13**	3.9	3.7	< 50 U	< 50 U	3.8 J	4.5	**9.3**
1,1-Dichloroethene	< 5 U	< 4 U	< 10 U	< 10 U	0.66 J	2.3	< 50 U	< 50 U	< 5 U	< 2 U	1.8
1,2-Dichloroethane	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
1,2-Dichloropropane	< 5 U	< 4 U	----	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
2-Butanone	< 50 U	< 40 U	< 100 U	< 100 U	< 5 U	5.3	< 250 U	< 250 U	< 25 U	< 10 U	2.8 J
2-Hexanone	< 25 U	< 20 U	< 50 U	< 50 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 10 U	< 5 U
4-Methyl-2-pentanone	< 25 U	< 20 U	< 50 U	< 50 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	< 10 U	< 5 U
Acetone	< 50 U	< 40 U	< 100 U	< 100 U	< 5 U	< 5 U	< 250 U	< 250 U	< 25 U	6.3 J	< 5 U
Benzene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	0.21 J	< 50 U	< 50 U	< 5 U	< 2 U	0.34 J
Bromodichloromethane	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Bromoform	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Bromomethane	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Carbondisulfide	< 5 U	< 4 U	< 10 U	< 10 U	0.26 J	5.5	49 J	**310**	16	15	**200**
Carbontetrachloride	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Chlorobenzene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Chloroethane	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Chloroform	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	1.2	< 50 U	< 50 U	< 5 U	< 2 U	1.9
Chloromethane	< 5 U	< 4 U	< 10 U	< 10 U	0.26 J	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
cis-1,2-Dichloroethene	**170**	**330**	**260**	**190**	**62**	**460 D**	**640**	**790**	**150**	**49**	**290 D**
cis-1,3-Dichloropropene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Dibromochloromethane	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Ethylbenzene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
m,p-xylene	< 10 U	< 8 U	< 20 U	< 20 U	< 2 U	< 2 U	< 100 U	< 100 U	< 10 U	< 4 U	< 2 U
Methylene Chloride	< 5 U	< 4 U	4.5 J	< 10 U	< 1 U	**360 D**	**7700**	**15000 D**	**670**	**11**	**380 D**
o-Xylene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Styrene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Tetrachloroethene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Toluene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	0.49 J	< 50 U	< 50 U	< 5 U	< 2 U	0.47 J
trans-1,2-Dichloroethene	< 5 U	< 4 U	< 10 U	< 10 U	0.44 J	3	< 50 U	< 50 U	2 J	1.1 J	4.2
Trans-1,3-Dichloropropene	< 5 U	< 4 U	< 10 U	< 10 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U	< 2 U	< 1 U
Trichloroethene	4 J	5	< 10 U	**5.3 J**	**5.1**	**280 D**	**410**	**510**	**110**	**27**	**130**
Vinyl chloride	**300**	**650**	**540**	**620**	**20**	**270 D**	**550**	**840**	**93**	**38**	**190 D**
Xylene (total)	----	----	< 20 U	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	89-15(1)	96-01(1)
	89-15(1)-20181212	BAT-89-15(1)-190327	BAT-MW-89-15(1)-190925	BAT-89-15(1)-200116	BAT-89-15(1)-200526	BAT-89-15(1)-200821	BAT-89-15(1)-201014	MW89-15(1)-20210319	MW89-15(1)-20211013	89-15(1)-220323	96-01(1)-20170523
	12/12/2018	3/27/2019	9/25/2019	1/16/2020	5/26/2020	8/21/2020	10/14/2020	3/19/2021	10/13/2021	3/23/2022	5/23/2017
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	1.82	7.08	0.73	0.6	7.25	0.46	----	1.51	0.28	0.56	----
Oxidation Reduction Potential	-461.6	-334.3	-363.7	-310.1	-292.4	-342.9	----	-289.5	-377.9	-317.5	----
pH	7.27	6.67	7.03	7.01	7.25	6.86	----	8.2	7.12	6.58	----
Specific Conductivity	1.73	1.431	1.819	1.649	1.834	1.686	----	1.136	1.838	2.017	----
Temperature	13.18	12.15	16.04	11.57	13.78	16	----	11.4	16.6	10.1	----
Turbidity	----	----	----	----	----	61.49	----	2.19	-999	4.61	----
GASES											
Ethane	< 10 U	< 7.5 U	----	< 170 U	< 7.5 U	< 170 U	----	< 7.5 U	35 J	< 170 U	----
Ethylene	620	550 H	----	870	1000	700	----	490	450	920	----
Methane	530	200 H	----	850	320	570	----	510	720	1300	----
GEN CHEMISTRY											
Sulfate	0.0163	53.8	----	< 10 U	65	31.9	----	59.1	104	6.3 J	----
Total organic carbon	0.0182	8.6	----	13.3	5.9	5.2 J	----	5.7	5.2	97.8	----
VOLATILES											
1,1,1-Trichloroethane	**22**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	**97**	< 100 U	< 1000 U	**48**
1,1,2,2-Tetrachloroethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	300 J	----	----	----	170	----	----	----	----
1,1,2-Trichloroethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
1,1-Dichloroethane	**31**	< 400 U	< 400 U	< 400 U	**180 J**	< 400 U	**46 J**	**95**	**68 J**	< 1000 U	**29**
1,1-Dichloroethene	**18 J**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
1,2-Dichloroethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
1,2-Dichloropropane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	----	< 80 U	< 100 U	< 1000 U	< 5 U
2-Butanone	< 100 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U	< 800 U	< 800 U	< 1000 U	< 10000 U	< 25 U
2-Hexanone	< 100 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 400 U	< 400 U	< 500 U	< 5000 U	< 25 U
4-Methyl-2-pentanone	< 100 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 400 U	< 400 U	< 500 U	< 5000 U	< 25 U
Acetone	< 100 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U	< 4000 U	< 800 U	< 800 U+	< 1000 U	< 10000 U	< 25 U
Benzene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Bromodichloromethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Bromoform	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Bromomethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Carbondisulfide	**140**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	49 J	< 1000 U	< 5 U
Carbontetrachloride	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Chlorobenzene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Chloroethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Chloroform	**11 J**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Chloromethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
cis-1,2-Dichloroethene	**3100**	**7000**	**5700**	**3800**	**13000**	**4100**	**4000**	**7900**	**5900**	**9000**	**710**
cis-1,3-Dichloropropene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Dibromochloromethane	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Ethylbenzene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
m,p-xylene	< 40 U	< 800 U	< 800 U	< 800 U	< 800 U	< 800 U	< 160 U	< 160 U	< 200 U	< 2000 U	< 10 U
Methylene Chloride	**14000 D**	**17000**	**18000**	**11000**	**37000**	**8300**	**5300**	**7700**	**35000**	**33000**	**21**
o-Xylene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Styrene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Tetrachloroethene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Toluene	4.2 J	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
trans-1,2-Dichloroethene	**21**	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	4.4 J
Trans-1,3-Dichloropropene	< 20 U	< 400 U	< 400 U	< 400 U	< 400 U	< 400 U	< 80 U	< 80 U	< 100 U	< 1000 U	< 5 U
Trichloroethene	**4400 D**	**8400**	**3700**	**2400**	**5100**	**1600**	**1100**	**2000**	**2300**	**1500**	**17**
Vinyl chloride	**1100**	**1300**	**1300**	**770**	**4200**	**1800**	**2000**	**2400**	**2600**	**2900**	**700**
Xylene (total)	----	----	< 800 U	----	----	----	< 160 U	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	96-01(1)	B-10A(1)	B-10A(1)	B-10A(1)
	96-01(1)-20181210	96-01(1)-20190326	BAT-96-01(1)-200117	BAT-96-01(1)-200527	BAT-96-01(1)-200818	MW96-01(1)-20210316	MW-96-01(1)-20211005	96-01(1)-220324	B-10A(1)-20170523	B-10A(1)-20171114	B-10A(1)-20180123
	12/10/2018	3/26/2019	1/17/2020	5/27/2020	8/18/2020	3/16/2021	10/5/2021	3/23/2022	5/23/2017	11/14/2017	1/23/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	1.21	0.52	0.69	1.2	0.94	2.11	0.26	1.14	----	6.59	----
Oxidation Reduction Potential	-337.7	-296.2	-270.7	-76.7	-249.5	-169.3	-271.2	94.9	----	-113.8	----
pH	7.41	6.72	6.89	7.05	7.1	7.06	7.01	7.16	----	8.55	----
Specific Conductivity	2.666	2.248	2.872	2.75	2.673	1.87	2.641	1.84	----	0.739	----
Temperature	12.04	12.83	12.33	14.77	16.6	12.87	16.2	12.4	----	10.94	----
Turbidity	----	----	----	----	1.36	1.57	1.57	2.21	----	----	----
GASES											
Ethane	----	< 7.5 U	< 7.5 U	< 7.5 U	< 83 U	< 7.5 U	< 7.5 U	< 7.5 U	----	1.4	----
Ethylene	----	420	480	160	210	110	200	39	----	18	----
Methane	----	150	320	80	210	84	160	14	----	80	----
GEN CHEMISTRY											
Sulfate	----	930	888	1070	975	1060	1070	310	----	158	----
Total organic carbon	----	2.6	2.5	2.9	3.1	2.9	3.5	1.3	----	7.9	----
VOLATILES											
1,1,1-Trichloroethane	**40**	**44**	**55**	**37 J**	**130**	**32**	**32**	**13**	**780**	**930**	**1100**
1,1,2,2-Tetrachloroethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	51	----	----	----	----
1,1,2-Trichloroethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
1,1-Dichloroethane	**29**	**35**	**44**	< 40 U	**110**	**24**	**27**	**11**	**350 J**	**450 J**	**430 J**
1,1-Dichloroethene	2 J	< 10 U	**6.3 J**	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	**310 J**	**380 J**	**380 J**
1,2-Dichloroethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
1,2-Dichloropropane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	----	< 2 U	< 500 U	< 500 U	< 500 U
2-Butanone	< 25 U	< 100 U	< 100 U	< 400 U	< 400 U	< 200 U	< 200 U	< 20 U	< 2500 U	< 2500 U	< 2500 U
2-Hexanone	< 25 U	< 50 U	< 50 U	< 200 U	< 200 U	< 100 U	< 100 U	< 10 U	< 2500 U	< 2500 U	< 2500 U
4-Methyl-2-pentanone	< 25 U	< 50 U	< 50 U	< 200 U	< 200 U	< 100 U	< 100 U	< 10 U	< 2500 U	< 2500 U	< 2500 U
Acetone	< 25 U	< 100 U	< 100 U	< 400 U	< 400 U	< 200 U	< 200 U	< 20 U	< 2500 U	< 2500 U	< 2500 U
Benzene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Bromodichloromethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	**210 J**	< 500 U	< 500 U
Bromoform	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Bromomethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	**170 J**	< 500 U
Carbondisulfide	11	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Carbontetrachloride	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Chlorobenzene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Chloroethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Chloroform	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	**980**	< 500 U	< 500 U
Chloromethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	**170 J**	< 500 U
cis-1,2-Dichloroethene	**360**	**460**	**2100**	**720**	**1800**	**310**	**250**	**110**	**20000**	**22000**	**70000**
cis-1,3-Dichloropropene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Dibromochloromethane	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Ethylbenzene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
m,p-xylene	< 10 U	< 20 U	< 20 U	< 80 U	< 80 U	< 40 U	< 40 U	< 4 U	< 1000 U	< 1000 U	< 1000 U
Methylene Chloride	**120**	**410**	**97**	**710**	< 40 U	**370**	**19 J**	1.2 J	**3300**	**6000**	**3700**
o-Xylene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Styrene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Tetrachloroethene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Toluene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
trans-1,2-Dichloroethene	**5.5 J**	< 10 U	**9.8 J**	< 40 U	< 40 U	< 20 U	< 20 U	1.8 J	< 500 U	**180 J**	**250 J**
Trans-1,3-Dichloropropene	< 5 U	< 10 U	< 10 U	< 40 U	< 40 U	< 20 U	< 20 U	< 2 U	< 500 U	< 500 U	< 500 U
Trichloroethene	**29**	**25**	**60**	**33 J**	**42**	**9.8 J**	< 20 U	4.6	**58000**	**64000**	**28000**
Vinyl chloride	**500**	**610**	**1200**	**800**	**3600**	**850**	**820**	**160**	**430 J**	**380 J**	**510**
Xylene (total)	----	----	----	----	----	----	< 40 U	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)
	B-10A(1)-20180124	B-10A(1)-20180227	B-10A(1)-20180228	B-10A(1)-20180320	B-10A(1)-20180321	B-10A(1)-20180620	B-10A(1)-20180920	B-10A(1)-20181212	B-10A(1)-20181213	BAT-B-10(A)-190328	BAT-B-10A-200115
	1/24/2018	2/27/2018	2/28/2018	3/20/2018	3/21/2018	6/20/2018	9/20/2018	12/12/2018	12/12/2018	3/28/2019	1/15/2020
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	3.32	----	5.41	----	0.79	3.45	4.51	2.37	2.37	0.35	0.66
Oxidation Reduction Potential	-96.2	----	-8.9	----	-257.6	-126.2	-245.1	-328.2	-328.2	-285	-283.2
pH	7.64	----	8.64	----	7.85	7.25	6.38	8.25	8.25	8.11	7.28
Specific Conductivity	1.182	----	1.328	----	1.22	1.196	1.251	1.539	1.539	1.154	1.466
Temperature	7.1	----	10.16	----	6.54	12.78	13.53	11.08	11.08	10.6	10.8
Turbidity	----	----	----	----	----	----	----	----	----	----	----
GASES											
Ethane	2.2	----	2.3	----	2.6	3.2	< 5.2 U	< 2.1 U	----	< 7.5 U	< 83 U
Ethylene	19	----	25	----	27	93 D	250	150	----	130	650
Methane	67	----	66	----	73	1200 D	460	180	----	180	1400
GEN CHEMISTRY											
Sulfate	123	----	96.2	----	102	35.1	55.6	129	----	161	53.8
Total organic carbon	56.9	----	53.5	----	32.6	112	41.5	11	----	4.8	42.8
VOLATILES											
1,1,1-Trichloroethane	**1100**	**850**	**850**	**1300**	**1300**	**730**	**1300**	**1500**	----	**1300**	**1200**
1,1,2,2-Tetrachloroethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
1,1-Dichloroethane	**430 J**	**370**	**370**	**380 J**	**380 J**	**180 J**	**360**	**300**	----	**320 J**	< 500 U
1,1-Dichloroethene	**380 J**	**310**	**310**	**410 J**	**410 J**	**200 J**	**360**	**290**	----	**310 J**	**280 J**
1,2-Dichloroethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
1,2-Dichloropropane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
2-Butanone	< 2500 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	----	< 5000 U	< 5000 U
2-Hexanone	< 2500 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	----	< 2500 U	< 2500 U
4-Methyl-2-pentanone	< 2500 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	----	< 2500 U	< 2500 U
Acetone	< 2500 U	< 1000 U	< 1000 U	< 2500 U	< 2500 U	< 1300 U	< 1300 U	< 1300 U	----	< 5000 U	< 5000 U
Benzene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Bromodichloromethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Bromoform	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Bromomethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Carbondisulfide	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	**240 J**	< 250 U	----	< 500 U	< 500 U
Carbontetrachloride	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Chlorobenzene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Chloroethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Chloroform	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Chloromethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
cis-1,2-Dichloroethene	**70000**	**65000 D**	**65000 D**	**52000**	**52000**	**37000**	**52000 D**	**31000**	----	**33000**	**44000**
cis-1,3-Dichloropropene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Dibromochloromethane	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Ethylbenzene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
m,p-xylene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 500 U	< 500 U	----	< 1000 U	< 1000 U
Methylene Chloride	**3700**	**2200**	**2200**	**3000**	**3000**	**740**	**9500**	**6200**	----	**1200**	< 500 U
o-Xylene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Styrene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Tetrachloroethene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Toluene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
trans-1,2-Dichloroethene	**250 J**	**190 J**	**190 J**	**200 J**	**200 J**	**87 J**	**140 J**	**140 J**	----	< 500 U	< 500 U
Trans-1,3-Dichloropropene	< 500 U	< 200 U	< 200 U	< 500 U	< 500 U	< 250 U	< 250 U	< 250 U	----	< 500 U	< 500 U
Trichloroethene	**28000**	**17000**	**17000**	**33000**	**33000**	**12000**	**23000**	**38000**	----	**34000**	**5900**
Vinyl chloride	**510**	**440**	**440**	**370 J**	**370 J**	**750**	**2400**	**1700**	----	**2200**	**6300**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-10A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)
	BAT-B-10(A)-200527	BAT-B-10A(1)-200820	B-10A(1)-20210318	B-10A-20211012	B-10-220322	B-14(1)-20171113	B-14(1)-20180123	B-14(1)-20180227	B-14(1)-20180320	B-14(1)-20180619	B-14(1)-20180918
	5/27/2020	8/20/2020	3/18/2021	10/12/2021	3/22/2022	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.96	0.38	1.46	0.62	2.24	3.4	3.85	3.98	0.51	6.32	0.13
Oxidation Reduction Potential	-191.2	-319.8	-280.3	-328.6	-296.4	-92.9	-176.1	-17.1	-101	-184.4	-223.2
pH	8.32	8.1	9.14	7.5	7.28	7.26	7.27	8.23	7.57	7.26	6.84
Specific Conductivity	1.342	1.15	0.74	0.848	1.15	2.422	2.101	2.181	2.192	1.889	2.158
Temperature	11.01	12.9	10.09	13.7	10.6	12.42	9.67	10.58	8.25	13.21	13.78
Turbidity	----	71.49	2.08	1.87	5.1	----	----	----	----	----	----
GASES											
Ethane	< 7.5 U	< 7.5 U	< 83 U	55 J	< 83 U	< 1 U	1.1	< 1 U	1.3	1.4	2.1
Ethylene	310	210	180	790	2200	8.8	12	7.1	14	17	19
Methane	100	77	250	620	1000	54	53	21	61	80	130 D
GEN CHEMISTRY											
Sulfate	137	128	91.9	122	58.1	957	972	983	857	1070	957
Total organic carbon	4.8	4.4	6.7	4.9	169	4.1	3.8	4.1	4.4	3.9	3.5
VOLATILES											
1,1,1-Trichloroethane	< 1000 U	< 1000 U	**1100**	< 1000 U	< 500 U	**75**	**52**	**73**	**58**	**64**	**81**
1,1,2,2-Tetrachloroethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
1,1-Dichloroethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	**260 J**	**18**	**15**	**22**	**16**	**17**	**24**
1,1-Dichloroethene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	1.8 J	< 2 U	1.2	< 2 U	0.93 J	1.6
1,2-Dichloroethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
1,2-Dichloropropane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
2-Butanone	< 10000 U	< 10000 U	< 10000 U	< 10000 U	< 5000 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U
2-Hexanone	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 2500 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U
4-Methyl-2-pentanone	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 2500 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U
Acetone	< 10000 U	< 10000 U	< 10000 U+	< 10000 U+	< 5000 U	< 10 U	< 10 U	1.4 J	4.6 J	< 5 U	4 J
Benzene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Bromodichloromethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Bromoform	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Bromomethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Carbondisulfide	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	0.64 J	3.1	1.1 B	< 2 U	< 1 U	2.1
Carbontetrachloride	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Chlorobenzene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Chloroethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Chloroform	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Chloromethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U+	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	**34000**	**38000**	**36000**	**30000**	**30000**	**140**	**100**	**150**	**120**	**97**	**170**
cis-1,3-Dichloropropene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Dibromochloromethane	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Ethylbenzene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
m,p-xylene	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 1000 U	< 4 U	< 4 U	< 2 U	< 4 U	< 2 U	< 2 U
Methylene Chloride	< 1000 U	**5100**	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	2.1
o-Xylene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Styrene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Tetrachloroethene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Toluene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	1.8 J	1.6 J	2.1	1.5 J	1.3	1.9
Trans-1,3-Dichloropropene	< 1000 U	< 1000 U	< 1000 U	< 1000 U	< 500 U	< 2 U	< 2 U	< 1 U	< 2 U	< 1 U	< 1 U
Trichloroethene	**14000**	**16000**	**18000**	**3100**	**460 J**	1.8 J	1.6 J	2.5	1.7 J	1.5	**53**
Vinyl chloride	**4700**	**3800**	**2800**	**9700**	**13000**	**190**	**180**	**240 D**	**180**	**170**	**200 D**
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)	B-14A(1)
	B-14(1)-20181030	B-14(1)-20181211	BAT-B-14(1)-190327	BAT-B-14(1)-190924	BAT-B-14(1)-200115	BAT-B-14(1)-200526	BAT-B-14(1)-200819	BAT-B-14(1)-201013	B-14(1)-20210317	B-14(1)-20211006	B-14(1)-220321
	10/30/2018	12/11/2018	3/27/2019	9/24/2019	1/15/2020	5/26/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021	3/21/2022
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	----	0.67	----	-0.02 -	0.77	0.59	0.62	----	1.38	0.31	1.41
Oxidation Reduction Potential	----	-152	-265.3	-237.2	-173	-169.7	-105	----	-299	-289.3	-275.9
pH	7.1	6.29	6.79	6.88	7.02	7.05	7.6	----	7.03	7.05	7.13
Specific Conductivity	1.778	1.867	1.811	2.039	2.627	2.74	2.175	----	1.76	2.646	2.34
Temperature	13.31	12.64	12.37	14.2	12.02	14.54	12.9	----	11.63	14.4	12.6
Turbidity	----	----	----	----	----	----	2.07	----	1.73	0.15	0.3
GASES											
Ethane	----	< 2.1 U	< 7.5 U	----	< 7.5 U	< 7.5 U	< 7.5 U	----	< 7.5 U	< 7.5 U	< 7.5 U
Ethylene	----	15	13	----	6.2 J	6.3 J	13	----	7.6	9.3	14
Methane	----	100	64	----	64	60	79	----	66	71	72
GEN CHEMISTRY											
Sulfate	----	951	966	----	1100	1130	1090	----	1100	1070	1010
Total organic carbon	----	3.5	2.4	----	2.5	3.1	3.3	----	3.2	2.4	3.5
VOLATILES											
1,1,1-Trichloroethane	**41**	**54**	**45**	**62**	**42**	**39**	**42**	**28**	**26**	**30**	**51**
1,1,2,2-Tetrachloroethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	< 4 U	----	----	----	< 4 U	----	< 4 U	----
1,1,2-Trichloroethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,1-Dichloroethane	**14**	**14**	**15**	**20**	**14**	**13**	**17**	**14**	**10**	**11**	**21**
1,1-Dichloroethene	0.8 J	0.88 J	2.3 J	1.2 J	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dichloroethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
1,2-Dichloropropane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	----	< 4 U	----	< 4 U
2-Butanone	< 10 U	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
2-Hexanone	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
4-Methyl-2-pentanone	< 10 U	< 10 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Acetone	< 10 U	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Benzene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Bromodichloromethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Bromoform	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Bromomethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbondisulfide	2.5	3.1	< 4 U	8.3	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Carbontetrachloride	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Chlorobenzene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Chloroethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Chloroform	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Chloromethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
cis-1,2-Dichloroethene	**140**	**110**	**160**	**150**	**110**	**96**	**120**	**110**	**100**	**100**	**140**
cis-1,3-Dichloropropene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Dibromochloromethane	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Ethylbenzene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
m,p-xylene	< 4 U	< 4 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U	< 8 U
Methylene Chloride	< 2 U	< 2 U	< 4 U	**17**	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	2.2 J	2.3 J
o-Xylene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Styrene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Tetrachloroethene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Toluene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
trans-1,2-Dichloroethene	1.8 J	1.5 J	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Trans-1,3-Dichloropropene	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U
Trichloroethene	1.2 J	4.2	1.9 J	< 4 U	< 4 U	< 4 U	< 4 U	< 4 U	1.8 J	< 4 U	< 4 U
Vinyl chloride	**170**	**160**	**210**	**230**	**150**	**160**	**200**	**190**	**170**	**140**	**310**
Xylene (total)	----	----	----	< 8 U	----	----	----	< 8 U	----	< 8 U	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10
	DW-10-20171114	DW-10-20180124	DW-10-20180228	DW-10-20180321	DW-10-20180620	DW-10-20180919	DW-10-20181031	DW-10-20181212	BAT-DW-10-190327	BAT-DW-10-190925	BAT-DW-10-200116
	11/14/2017	1/24/2018	2/28/2018	3/21/2018	6/20/2018	9/19/2018	10/31/2018	12/12/2018	3/27/2019	9/25/2019	1/16/2020
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	8.76	1.3	5.26	0.53	6.81	----	----	0.66	2.27	0	0.34
Oxidation Reduction Potential	34.2	-17	-22.7	-193.2	-188.5	----	----	-176.1	-299.2	-272.1	-283.6
pH	8.39	7.32	8.21	7.26	6.47	6.43	----	6.09	6.42	7.19	6.82
Specific Conductivity	0.42	0.593	0.565	0.58	0.379	----	----	1.579	2.157	0.243	2.371
Temperature	13.65	8.53	8.76	6.73	12.23	----	----	10.96	11.5	16	10.94
Turbidity	----	----	----	----	----	----	----	----	----	----	----
GASES											
Ethane	< 1 U	7.2	3.7	2.8	30	1.1	----	< 5.2 U	1.9 JH	----	< 7.5 U
Ethylene	< 1 U	24	14	20	19	170 D	----	110	69 H	----	110
Methane	1.6	76	47	56	33	400 D	----	390	420	----	440
GEN CHEMISTRY											
Sulfate	53.3	104	88	73.8	28.5	406	----	666	731	----	766
Total organic carbon	3.3	690	52	141	107	41.5	----	11.5	3.6	----	3.6
VOLATILES											
1,1,1-Trichloroethane	0.48 J	**18**	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	**9.5**	< 2000 U	< 10 U	< 2000 U
1,1,2,2-Tetrachloroethane	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	16	----
1,1,2-Trichloroethane	< 1 U	0.75 J	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	**3 J**	< 2000 U	< 10 U	< 2000 U
1,1-Dichloroethane	< 1 U	**15**	< 50 U	< 100 U	< 50 U	**12 J**	< 2.5 U	**9**	< 2000 U	< 10 U	< 2000 U
1,1-Dichloroethene	< 1 U	**17**	< 50 U	< 100 U	< 50 U	**39 J**	0.73 J	**32**	< 2000 U	< 10 U	< 2000 U
1,2-Dichloroethane	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
1,2-Dichloropropane	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
2-Butanone	< 5 U	< 5 U	< 250 U	< 500 U	< 250 U	< 250 U	10 J	< 25 U	< 20000 U	< 100 U	< 20000 U
2-Hexanone	< 5 U	< 5 U	< 250 U	< 500 U	< 250 U	< 250 U	21	< 25 U	< 10000 U	< 50 U	< 10000 U
4-Methyl-2-pentanone	< 5 U	< 5 U	< 250 U	< 500 U	< 250 U	< 250 U	< 13 U	1.9 J	< 10000 U	< 50 U	< 10000 U
Acetone	1.5 J	4.9 J	< 250 U	< 500 U	< 250 U	< 250 U	18	< 25 U	< 20000 U	< 100 U	< 20000 U
Benzene	< 1 U	0.89 J	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	**2.5 J**	< 2000 U	< 10 U	< 2000 U
Bromodichloromethane	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Bromoform	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Bromomethane	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Carbondisulfide	< 1 U	14	< 50 U	28 J	< 50 U	**150**	2.5	**66**	< 2000 U	< 10 U	< 2000 U
Carbontetrachloride	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Chlorobenzene	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Chloroethane	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Chloroform	< 1 U	5.4	< 50 U	**93 J**	< 50 U	**50**	1.1 J	**40**	< 2000 U	< 10 U	< 2000 U
Chloromethane	0.24 J	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	4.8 J	< 2000 U	< 10 U	< 2000 U
cis-1,2-Dichloroethene	**17**	**1100 D**	**480**	**640**	**130**	**2300**	**15**	**2100 D**	**2000**	**18**	**2300**
cis-1,3-Dichloropropene	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Dibromochloromethane	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Ethylbenzene	< 1 U	1.4	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	1.6 J	< 2000 U	< 10 U	< 2000 U
m,p-xylene	< 2 U	4.6	< 100 U	< 200 U	< 100 U	< 100 U	< 5 U	**5.7 J**	< 4000 U	< 20 U	< 4000 U
Methylene Chloride	**170**	**16000 D**	**10000 D**	**14000**	**5100**	**130000 D**	**390**	**100000 D**	**140000**	**640**	**150000**
o-Xylene	< 1 U	1.7	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	2.3 J	< 2000 U	< 10 U	< 2000 U
Styrene	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Tetrachloroethene	< 1 U	**8**	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	3.4 J	< 2000 U	< 10 U	< 2000 U
Toluene	< 1 U	**8**	< 50 U	< 100 U	< 50 U	**17 J**	< 2.5 U	**16**	< 2000 U	< 10 U	< 2000 U
trans-1,2-Dichloroethene	< 1 U	**12**	< 50 U	< 100 U	< 50 U	**37 J**	< 2.5 U	**33**	< 2000 U	< 10 U	< 2000 U
Trans-1,3-Dichloropropene	< 1 U	< 1 U	< 50 U	< 100 U	< 50 U	< 50 U	< 2.5 U	< 5 U	< 2000 U	< 10 U	< 2000 U
Trichloroethene	**32**	**36000 D**	**8900**	**13000**	**610**	**2000**	**100**	**2100 D**	**2300**	**38**	**1900 J**
Vinyl chloride	**2.3**	**260 D**	**130**	**160**	**38 J**	**970**	**6.2**	**730**	< 2000 U	**9.1 J**	< 2000 U
Xylene (total)	----	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	DW-10	DW-10	DW-10	DW-10	DW-10	DW-10	DW-11	DW-11	DW-11	DW-11	DW-11
	BAT-DW-10-200526	BAT-DW-10-200821	BAT-DW-10-201014	DW-10-20210319	DW-10-20211013	DW-10-220323	DW-11-20171113	DW-11-20180123	DW-11-20180227	DW-11-20180320	DW-11-20180619
	5/26/2020	8/21/2020	10/14/2020	3/19/2021	10/13/2021	3/23/2022	11/13/2017	1/23/2018	2/27/2018	3/20/2018	6/19/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0.59	0.4	----	1.99	0.52	0.26	----	3.45	2.19	0.3	0.94
Oxidation Reduction Potential	-233.5	-309.1	----	-280	-324.7	-533.7	----	-185.7	-13.4	-153.6	-321.6
pH	6.97	6.61	----	7.96	7.36	6.78	8.04	7.78	8.13	7.5	6.82
Specific Conductivity	2.667	2.378	----	1.59	0.2601	2.22	2.219	1.089	3.369	3.223	2.656
Temperature	13.58	15.4	----	9.03	16	10.4	15.42	6.3	8.88	8.62	13.65
Turbidity	----	61.04	----	2.35	5.7	2.88	----	----	----	----	----
GASES											
Ethane	< 7.5 U	< 170 U	----	< 7.5 U	< 7.5 U	< 83 U	< 1 U	< 1 U	< 1 U	3.4	1
Ethylene	66	< 150 U	----	130	< 7 U	180	4.2	1.1	1.3	28	40
Methane	520	410	----	750	81	470	30	4.2	2.7	54	69
GEN CHEMISTRY											
Sulfate	812	780	----	832	20.7	560	291	409	246	731	167
Total organic carbon	3.2	5.5	----	3	16.3	117	4.1	9.2	6.8	16.8	24.6
VOLATILES											
1,1,1-Trichloroethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	**45**	3.3	**5.6**	**58**	**7.8**
1,1,2,2-Tetrachloroethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	150	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	**3.1 J**	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,1-Dichloroethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	**12**	**8.6**	0.88 J	2.8	**17**	3.4 J
1,1-Dichloroethene	< 5000 U	< 1000 U	< 10 U	**55 J**	< 10 U	**39**	1.2	< 1 U	< 1 U	2.2	1.4 J
1,2-Dichloroethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,2-Dichloropropane	< 5000 U	< 1000 U	----	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
2-Butanone	< 50000 U	< 10000 U	< 100 U	< 1000 U	< 100 U	< 100 U	< 5 U	1 J	< 5 U	< 5 U	< 25 U
2-Hexanone	< 25000 U	< 5000 U	< 50 U	< 500 U	< 50 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U
4-Methyl-2-pentanone	< 25000 U	< 5000 U	< 50 U	< 500 U	< 50 U	< 50 U	< 5 U	< 5 U	< 5 U	< 5 U	< 25 U
Acetone	< 50000 U	< 10000 U	47 J	< 1000 U+	< 100 U	**59 J**	< 5 U	48	14	2.6 J	22 J
Benzene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	0.84 J	< 1 U	< 1 U	< 5 U
Bromodichloromethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Bromoform	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Bromomethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Carbondisulfide	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	56	0.35 J	0.39 J	0.48 J	8.8	13
Carbontetrachloride	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Chlorobenzene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Chloroethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	**29**	< 1 U	< 1 U	< 1 U	< 5 U
Chloroform	< 5000 U	< 1000 U	< 10 U	**60 J**	< 10 U	**47**	< 1 U	< 1 U	< 1 U	< 1 U	2.7 J
Chloromethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	0.45 J	< 1 U	< 1 U	< 1 U	< 5 U
cis-1,2-Dichloroethene	< 5000 U	**1700**	**120**	**2200**	**8.1 J**	**2400 J**	**110**	**23**	**31**	**190**	**630**
cis-1,3-Dichloropropene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Dibromochloromethane	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Ethylbenzene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	0.22 J	< 5 U
m,p-xylene	< 10000 U	< 2000 U	< 20 U	< 200 U	< 20 U	< 20 U	< 2 U	0.56 J	< 2 U	0.78 J	< 10 U
Methylene Chloride	**200000**	**160000**	**6600**	**160000**	< 10 U	**160000**	< 1 U	**11**	**14**	**72**	**180**
o-Xylene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	0.31 J	< 5 U
Styrene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Tetrachloroethene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	0.46 J	< 1 U	0.55 J	< 5 U
Toluene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	**23**	< 1 U	0.54 J	0.24 J	1.2	< 5 U
trans-1,2-Dichloroethene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	**45**	1	< 1 U	< 1 U	1.5	1.7 J
Trans-1,3-Dichloropropene	< 5000 U	< 1000 U	< 10 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Trichloroethene	< 5000 U	**2000**	**170**	**2800**	**40**	**1900 J**	**35**	**520 D**	**190**	**1300 D**	**180**
Vinyl chloride	< 5000 U	**920 J**	**92**	**1200**	< 10 U	**1600 E**	**100**	**13**	**40**	**190 D**	**59**
Xylene (total)	----	----	< 20 U	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11	DW-11
	DW-11-20180918	DW-11-20181031	DW-11-20181211	BAT-DW-11-190327	DW-11-20190924	BAT-DW-11-200117	BAT-DW-11-200528	BAT-DW-11-200819	BAT-DW-11-201013	DW-11-20210317	DW-11-20211006
	9/18/2018	10/31/2018	12/11/2018	3/27/2019	9/24/2019	1/17/2020	5/28/2020	8/19/2020	10/13/2020	3/17/2021	10/6/2021
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS											
Dissolved oxygen	0	----	0.74	0.87	0.24	0.92	3.71	0.98	----	1.26	0.11
Oxidation Reduction Potential	-322.9	----	-248.6	-320.4	-365.7	-249.7	-207	-239.7	----	-283.3	-337.7
pH	6.87	7.67	6.16	6.66	7.06	7.15	7.45	7.38	----	7	7.03
Specific Conductivity	3.179	1.352	2.078	8.028	3.374	5.921	6.757	4.698	----	6.02	2.917
Temperature	16.71	16.2	12.57	11.36	15.4	11.68	14.64	14.2	----	12.63	16.4
Turbidity	----	----	----	----	----	----	----	12.42	----	11.7	0.94
GASES											
Ethane	1.4	----	< 2.1 U	< 7.5 U	----	< 41 U	< 7.5 U	< 7.5 U	----	< 7.5 U	----
Ethylene	81	----	100	54	----	9.8 J	26	40	----	41	----
Methane	77 D	----	96	49	----	51	39	88	----	58	----
GEN CHEMISTRY											
Sulfate	479	----	1000	815	----	684	739	869	----	917	----
Total organic carbon	16.9	----	13.1	1.4	----	2.3	2	2.7	----	2.3	----
VOLATILES											
1,1,1-Trichloroethane	**92**	0.31 J	**91**	**17**	----	**9.6**	**9.7**	**9**	4.9	**16**	**53**
1,1,2,2-Tetrachloroethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	1.6 J	----	47
1,1,2-Trichloroethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
1,1-Dichloroethane	**28**	< 1 U	**33**	**21**	----	**13**	**15**	**15**	**12**	**15**	**33**
1,1-Dichloroethene	**11**	< 1 U	3.3	1.2 J	----	< 2 U	< 2 U	< 2 U	< 2 U	0.29 J	< 2 U
1,2-Dichloroethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
1,2-Dichloropropane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	----	< 1 U	----
2-Butanone	< 25 U	< 5 U	1.1 J	< 20 U	----	< 20 U	< 20 U	< 20 U	< 20 U	< 10 U	< 20 U
2-Hexanone	< 25 U	< 5 U	< 5 U	< 10 U	----	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
4-Methyl-2-pentanone	< 25 U	< 5 U	< 5 U	< 10 U	----	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U
Acetone	< 25 U	2.7 J	2.1 J	< 20 U	----	< 20 U	< 20 U	< 20 U	< 20 U	< 10 U	< 20 U
Benzene	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Bromodichloromethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Bromoform	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Bromomethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Carbondisulfide	55	< 1 U	40	0.55 J	----	0.53 J	< 2 U	< 2 U	< 2 U	< 1 U	2
Carbontetrachloride	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Chlorobenzene	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Chloroethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Chloroform	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Chloromethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
cis-1,2-Dichloroethene	**1300 D**	**11**	**210 D**	**69**	----	**30**	**22**	**19**	**13**	**36**	**320**
cis-1,3-Dichloropropene	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Dibromochloromethane	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Ethylbenzene	< 5 U	0.22	0.59 J	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
m,p-xylene	2.8 J	0.78	2	< 4 U	----	< 4 U	< 4 U	< 4 U	< 4 U	< 2 U	< 4 U
Methylene Chloride	**490**	0.77 J	**77**	< 2 U	----	**26**	< 2 U	< 2 U	< 2 U	< 1 U	**7.7**
o-Xylene	1.1 J	0.31	0.78 J	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Styrene	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Tetrachloroethene	2 J	0.55	1.7	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Toluene	**6.1**	1.2	2.5	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
trans-1,2-Dichloroethene	3.9 J	< 1 U	2.8	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	1.3	2.9
Trans-1,3-Dichloropropene	< 5 U	< 1 U	< 1 U	< 2 U	----	< 2 U	< 2 U	< 2 U	< 2 U	< 1 U	< 2 U
Trichloroethene	**17000 D**	**35**	**3000 D**	**17**	----	**17**	**7.7**	**8.2**	**6.6**	**10**	**470**
Vinyl chloride	**180**	0.53 J	**240 D**	**93**	----	**51**	**52**	**43**	**22**	**120**	**540**
Xylene (total)	----	----	----	----	----	----	----	----	< 4 U	----	< 4 U

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	DW-11	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12
	DW-11-220321	DW-12-20171113	DW-12-20180124	DW-12-20180227	DW-12-20180320	DW-12-20180619	DW-12-20180918	DW-12-20181031	DW-12-20181211	BAT-DW-12-190327
	3/21/2022	11/13/2017	1/24/2018	2/27/2018	3/20/2018	6/19/2018	9/18/2018	10/31/2018	12/11/2018	3/27/2019
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS										
Dissolved oxygen	1.06	----	8.95	8.34	0.52	3.66	----	----	2.43	3.96
Oxidation Reduction Potential	34.2	----	-12.6	14.6	-117.3	-151.2	----	----	2.6	28.2
pH	7.18	8.05	7.5	8.7	7.83	7.37	7.37	8.14	6.55	7.06
Specific Conductivity	14.79	0.697	3.443	3.348	3.218	1.607	----	0.656	1.374	4.354
Temperature	11.6	15.64	4.58	6.72	7.83	14.26	----	16.74	16.51	8.71
Turbidity	3.11	----	----	----	----	----	----	----	----	----
GASES										
Ethane	< 7.5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	----	< 1 U	< 7.5 U
Ethylene	4.8 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.3	----	< 1 U	< 7 U
Methane	6	< 1.1 U	< 1 U	< 1 U	< 1.1 U	< 1.1 U	3	----	2.6	1.7 J
GEN CHEMISTRY										
Sulfate	583	184	138	92.1	113	282	281	----	248	274
Total organic carbon	2.1	2.9	2.2	2.2	2.8	3.1	2.8	----	3.9	1.5
VOLATILES										
1,1,1-Trichloroethane	4.2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.5 J	< 1 U	< 1 U	< 2 U
1,1,2,2-Tetrachloroethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	----	----	----
1,1,2-Trichloroethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
1,1-Dichloroethane	4.9	< 1 U	< 1 U	< 1 U	0.76 J	1.3	3.4	< 1 U	3.1	1.7 J
1,1-Dichloroethene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
1,2-Dichloroethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
1,2-Dichloropropane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
2-Butanone	< 20 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U
2-Hexanone	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U
4-Methyl-2-pentanone	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U
Acetone	< 20 U	2.4 J	< 5 U	1.9 J	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 20 U
Benzene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Bromodichloromethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Bromoform	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Bromomethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Carbondisulfide	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Carbontetrachloride	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Chlorobenzene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Chloroethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Chloroform	< 2 U	< 1 U	0.35 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Chloromethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
cis-1,2-Dichloroethene	**11**	1.5	2.2	1.1	4.2	**7.5**	**16**	0.72 J	**14**	**9.3**
cis-1,3-Dichloropropene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Dibromochloromethane	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Ethylbenzene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
m,p-xylene	< 4 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4 U
Methylene Chloride	2.7	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
o-Xylene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Styrene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Tetrachloroethene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Toluene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
trans-1,2-Dichloroethene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.33 J	< 2 U
Trans-1,3-Dichloropropene	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Trichloroethene	4	1.2	0.87 J	0.7 J	1.3	1.3	1.2	1.4	0.77 J	< 2 U
Vinyl chloride	**19**	< 1 U	< 1 U	< 1 U	0.45 J	0.51 J	**4.5**	< 1 U	**6.3**	< 2 U
Xylene (total)	----	----	----	----	----	----	----	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-12	DW-9	DW-9
	BAT-DW-12-190924	BAT-DW-12-200114	BAT-DW-12-200522	BAT-DW-12-200818	BAT-DW-12-201013	DW-12-20210316	DW-12-20211004	DW-12-220318	DW-9-20171114	DW-9-20180124
	9/24/2019	1/14/2020	5/22/2020	8/18/2020	10/13/2020	3/16/2021	10/4/2021	3/18/2022	11/14/2017	1/24/2018
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS										
Dissolved oxygen	6.28	8.23	4.81	1.82	----	1.6	0.14	5.21	----	0.54
Oxidation Reduction Potential	112.2	48	46	-58.1	----	-209.9	-16.1	56.3	----	40.3
pH	7.88	7.2	7.3	7.26	----	7.22	7.17	7.39	----	7.58
Specific Conductivity	0.99	2.969	2.565	1.451	----	2.53	1.692	3.451	----	0.531
Temperature	17.7	7.99	11.06	17.1	----	10.32	18.3	10.1	----	2.83
Turbidity	----	----	----	12.43	----	11.5	3.47	35.6	----	----
GASES										
Ethane	----	< 7.5 U	< 7.5 U	< 7.5 U	----	< 7.5 U	< 7.5 U	< 7.5 U	< 1 U	< 1 U
Ethylene	----	< 7 U	< 7 U	< 7 U	----	< 7 U	< 7 U	< 7 U	< 1 U	< 1 U
Methane	----	< 4 U	15	8.4	----	8.7	12	4.1	< 1.1 U	< 1.1 U
GEN CHEMISTRY										
Sulfate	----	164	251	317	----	401	381	211	141	96.2
Total organic carbon	----	1.6	3.3	2.8	----	2.5	2.5	2.6	6	6
VOLATILES										
1,1,1-Trichloroethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	1.1	< 1 U
1,1,2,2-Tetrachloroethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2 U	----	----	----	< 1 U	----	< 1 U	----	----	----
1,1,2-Trichloroethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
1,1-Dichloroethane	< 2 U	1 J	0.77 J	2.6	2.3	1.8	3.5 F1	1.1 J	0.4 J	< 1 U
1,1-Dichloroethene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
1,2-Dichloroethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
1,2-Dichloropropane	< 2 U	< 2 U	< 1 U	< 1 U	----	< 1 U	----	< 2 U	< 1 U	< 1 U
2-Butanone	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	< 5 U	< 5 U
2-Hexanone	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U
4-Methyl-2-pentanone	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 5 U
Acetone	< 20 U	< 20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	1.7 J	1.8 J
Benzene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Bromodichloromethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Bromoform	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Bromomethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Carbondisulfide	< 2 U	0.43 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Carbontetrachloride	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Chlorobenzene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Chloroethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
Chloroform	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	0.47 J	< 1 U
Chloromethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	< 2 U	**13**	4.6	**21**	**17**	**14**	**23**	**6.2**	**22**	4.9
cis-1,3-Dichloropropene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Dibromochloromethane	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Ethylbenzene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
m,p-xylene	< 4 U	< 4 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 UF1	< 4 U	< 2 U	< 2 U
Methylene Chloride	1 J	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	2.7	< 1 U	< 1 U
o-Xylene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Styrene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Tetrachloroethene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Toluene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Trans-1,3-Dichloropropene	< 2 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 UF1	< 2 U	< 1 U	< 1 U
Trichloroethene	1.3 J	**6.7**	0.62 J	1.9	1.9	2	3.7 F1	1.2 J	**70**	**20**
Vinyl chloride	< 2 U	**2.2**	0.96 J	**3**	**2.2**	**3.3**	**7.7**	**2.6**	< 1 U	< 1 U
Xylene (total)	< 4 U	----	----	----	< 2 U	----	< 2 UF1	----	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9	DW-9
	DW-9-20180228	DW-9-20180321	DW-9-20180620	DW-9-20180920	DW-9-20181031	DW-9-20181213	BAT-DW-9-190328	BAT-DW-9-190925	BAT-DW-9-200115	BAT-DW-9-200527
	2/28/2018	3/21/2018	6/20/2018	9/20/2018	10/31/2018	12/13/2018	3/28/2019	9/25/2019	1/15/2020	5/27/2020
	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
FIELD TESTS										
Dissolved oxygen	8.93	2.47	5.99	----	----	7.01	8.93	5.19	8.2	3.18
Oxidation Reduction Potential	-22.4	-169	-7.8	----	----	-269.2	-102.2	-226.2	-17.1	-153.8
pH	8.28	8.24	7.84	6.96	7.71	8.02	7.49	7.63	7.48	7.5
Specific Conductivity	0.505	0.524	0.345	----	0.44	0.7	0.59	0.746	0.645	1.084
Temperature	4.16	2.73	10.49	----	13.61	9.17	5.85	15.5	6.68	11.97
Turbidity	----	----	----	----	----	----	----	----	----	----
GASES										
Ethane	< 1 U	< 1 U	< 1 U	< 1 U	----	< 1 U	< 7.5 U	----	< 7.5 U	< 7.5 U
Ethylene	< 1 U	< 1 U	1.2	83	----	< 1 U	41	----	< 7 U	210
Methane	< 1.1 U	< 1.1 U	1.4	59	----	< 1.1 U	12	----	< 4 U	190
GEN CHEMISTRY										
Sulfate	78.2	88	62.3	89.1	----	149	105 B	----	76.6	116
Total organic carbon	5.9	4.8	4.6	4.7	----	5.1	4.4	----	4.6	3.5
VOLATILES										
1,1,1-Trichloroethane	< 1 U	< 1 U	< 1 U	4.9	< 1 U	0.3 J	< 10 U	**9.1 J**	< 1 U	**79**
1,1,2,2-Tetrachloroethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	----	----	----	----	----	----	23	----	----
1,1,2-Trichloroethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
1,1-Dichloroethane	< 1 U	< 1 U	< 1 U	**6.4**	< 1 U	< 1 U	**5.4 J**	**10**	< 1 U	**46**
1,1-Dichloroethene	< 1 U	< 1 U	< 1 U	2.4	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	**26**
1,2-Dichloroethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	0.47 J
1,2-Dichloropropane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	----	< 1 U	< 1 U
2-Butanone	< 5 U	< 5 U	< 5 U	1.2 J	< 5 U	< 5 U	< 100 U	< 100 U	< 10 U	< 10 U
2-Hexanone	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	< 50 U	< 5 U	< 5 U
4-Methyl-2-pentanone	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	< 50 U	< 5 U	< 5 U
Acetone	2 J	2 J	< 5 U	2.3 J	< 1 U	< 1 U	< 100 U	< 100 U	< 10 U	< 10 U
Benzene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	**1.4**
Bromodichloromethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Bromoform	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Bromomethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Carbondisulfide	< 1 U	< 1 U	< 1 U	3.7	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Carbontetrachloride	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Chlorobenzene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Chloroethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Chloroform	< 1 U	< 1 U	< 1 U	1.9	1.2	0.38 J	< 10 U	< 10 U	< 1 U	0.43 J
Chloromethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
cis-1,2-Dichloroethene	3.7	3.9	**6.8**	**420 D**	3.3	4	**440**	**640**	**27**	**5000**
cis-1,3-Dichloropropene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Dibromochloromethane	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Ethylbenzene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	1.7
m,p-xylene	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 20 U	< 20 U	< 2 U	2.2
Methylene Chloride	< 1 U	< 1 U	0.58 J	**200 D**	< 1 U	< 1 U	**5.4 J**	**49**	**11**	**2200**
o-Xylene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	2.4
Styrene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Tetrachloroethene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Toluene	< 1 U	< 1 U	< 1 U	0.33 J	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	2
trans-1,2-Dichloroethene	< 1 U	< 1 U	< 1 U	2.6	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	**18**
Trans-1,3-Dichloropropene	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 10 U	< 1 U	< 1 U
Trichloroethene	**15**	**18**	**11**	**210 D**	**16**	**20**	**19**	**32**	**23**	**2600**
Vinyl chloride	< 1 U	< 1 U	1.7	**200 D**	< 1 U	< 1 U	**210**	**560**	**12**	**2800**
Xylene (total)	----	----	----	----	----	----	----	< 20 U	----	----

Table 4
Groundwater Data
Former Bell Aerospace Facility
Wheatfield, NY

Parameters	DW-9	DW-9	DW-9	DW-9	DW-9
	BAT-DW-9-200821	BAT-DW-9-201014	DW-9-20210318	DW-9-20211011	DW-9-220322
	8/21/2020	10/14/2020	3/18/2021	10/11/2021	3/22/2022
	Result	Result	Result	Result	Result
FIELD TESTS					
Dissolved oxygen	3.44	----	9.81	4.06	0.78
Oxidation Reduction Potential	21	----	-72.4	-196.9	-52.4
pH	7.21	----	8.82	7.51	7.12
Specific Conductivity	0.647	----	0.914	0.696	0.3261
Temperature	14.4	----	6.6	16.2	6.2
Turbidity	57.93	----	1.98	1.79	4.11
GASES					
Ethane	< 7.5 U	----	< 7.5 U	< 7.5 U	< 7.5 U
Ethylene	< 7 U	----	38	200	< 7 U
Methane	< 4 U	----	44	280	< 4 U
GEN CHEMISTRY					
Sulfate	70.4	----	98.6	123	49.3
Total organic carbon	2.3	----	3.4	3.6	11.5
VOLATILES					
1,1,1-Trichloroethane	< 1 U	**57**	**37**	**130**	< 4 U
1,1,2,2-Tetrachloroethane	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	----	28	----	----	----
1,1,2-Trichloroethane	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
1,1-Dichloroethane	< 1 U	**39**	**12 J**	**60**	< 4 U
1,1-Dichloroethene	< 1 U	**20**	< 25 U	**38**	< 4 U
1,2-Dichloroethane	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
1,2-Dichloropropane	< 1 U	----	< 25 U	< 25 U	< 4 U
2-Butanone	< 10 U	< 100 U	< 250 U	< 250 U	< 40 U
2-Hexanone	< 5 U	< 50 U	< 130 U	< 130 U	< 20 U
4-Methyl-2-pentanone	< 5 U	< 50 U	< 130 U	< 130 U	< 20 U
Acetone	< 10 U	< 100 U	< 250 U	< 250 U+	< 40 U
Benzene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Bromodichloromethane	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Bromoform	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Bromomethane	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Carbondisulfide	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Carbontetrachloride	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Chlorobenzene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Chloroethane	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Chloroform	1.5	< 10 U	< 25 U	< 25 U	< 4 U
Chloromethane	< 1 U	< 10 U	< 25 U	< 25 U+	< 4 U
cis-1,2-Dichloroethene	**10**	**3700**	**940**	**5800 F1**	< 4 U
cis-1,3-Dichloropropene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Dibromochloromethane	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Ethylbenzene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
m,p-xylene	< 2 U	< 20 U	< 50 U	< 50 U	< 8 U
Methylene Chloride	1.4	**620**	**560**	**2900**	< 4 U
o-Xylene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Styrene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Tetrachloroethene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Toluene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
trans-1,2-Dichloroethene	< 1 U	**10**	< 25 U	< 25 U	< 4 U
Trans-1,3-Dichloropropene	< 1 U	< 10 U	< 25 U	< 25 U	< 4 U
Trichloroethene	**34**	**440**	**1300**	**4800 F1**	**6**
Vinyl chloride	1.6	**860**	**230**	**1300**	< 4 U
Xylene (total)	----	< 20 U	----	----	----

Notes:

All concentrations reported in micrograms per liter (µg/L) or parts per billion (ppb).

27 Highlighted cells with **Bold** font = Compound detected at concentration.

J = Indicates an estimated value below detection limit.

D = Compound analyzed at secondary dilution.

E = Compound exceeds the calibration range.

U = Compound not detected at detection limit.

- = Anaysis was not conducted.

Figures

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	9/25/18	--	E. Schlegel	C. Byers	--	631232612-A1

LEGEND:

AREA OF FOCUSED IN-SITU BIOREMEDIATION ACTIVITIES

N

APPROXIMATE SCALE

0 600 1,200 FEET

REFERENCE:

GOOGLE MAPS AERIAL PHOTOGRAPHY, DATED 10/14/2016.

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 1

SITE LOCATION MAP

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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Plotted By: Evan.Schlegel

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Plotted By: Evan.Schlegel

Image

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Pittsburgh, PA	6/17/22	--	E. Schlegel	R. Mayer	P. Bauer	631232612-B51

LEGEND:

- SAMPLED MONITORING WELL LOCATION
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 2
MONITORING WELL NETWORK

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

SCALE
0 120 240 FEET

REFERENCE:

DERIVED FROM FONTANESE, FOLTS, AUBRECHT, AND ERNST ARCHITECTS, "MOOG INC.–PROJECT BELL–SITE PLAN", DATED JUNE 12, 2017.

File: O:\Shaw Offices – CAD Files\Latham, NY\TEXTRON\631232612\631232612-B38.dwg
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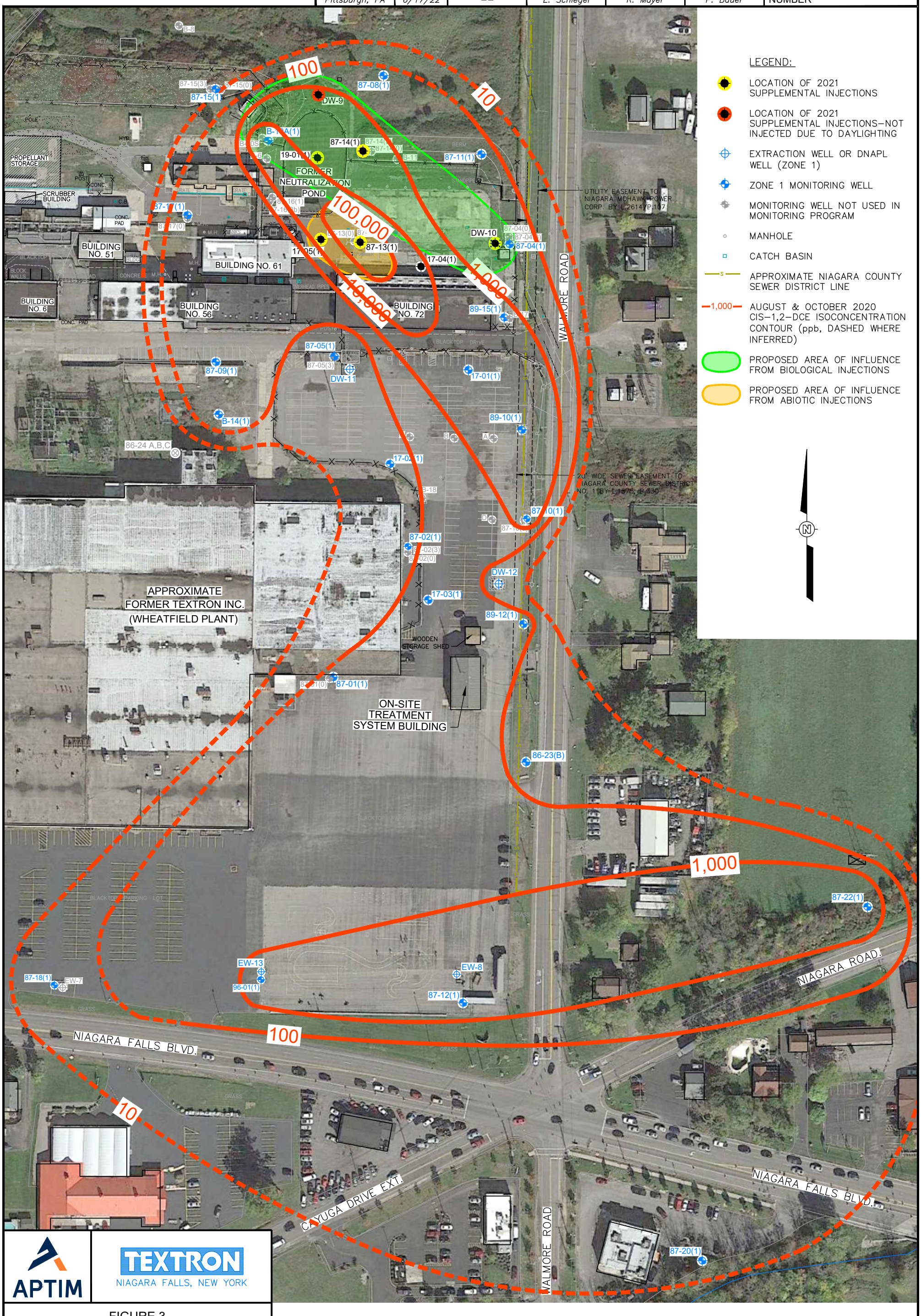
Plotted By: Evan.Schlegel

OFFICE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
Pittsburgh, PA	6/17/22	--	E. Schlegel	R. Mayer	P. Bauer	631232612-B38



APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 3
TREATMENT LOCATIONS (2021)

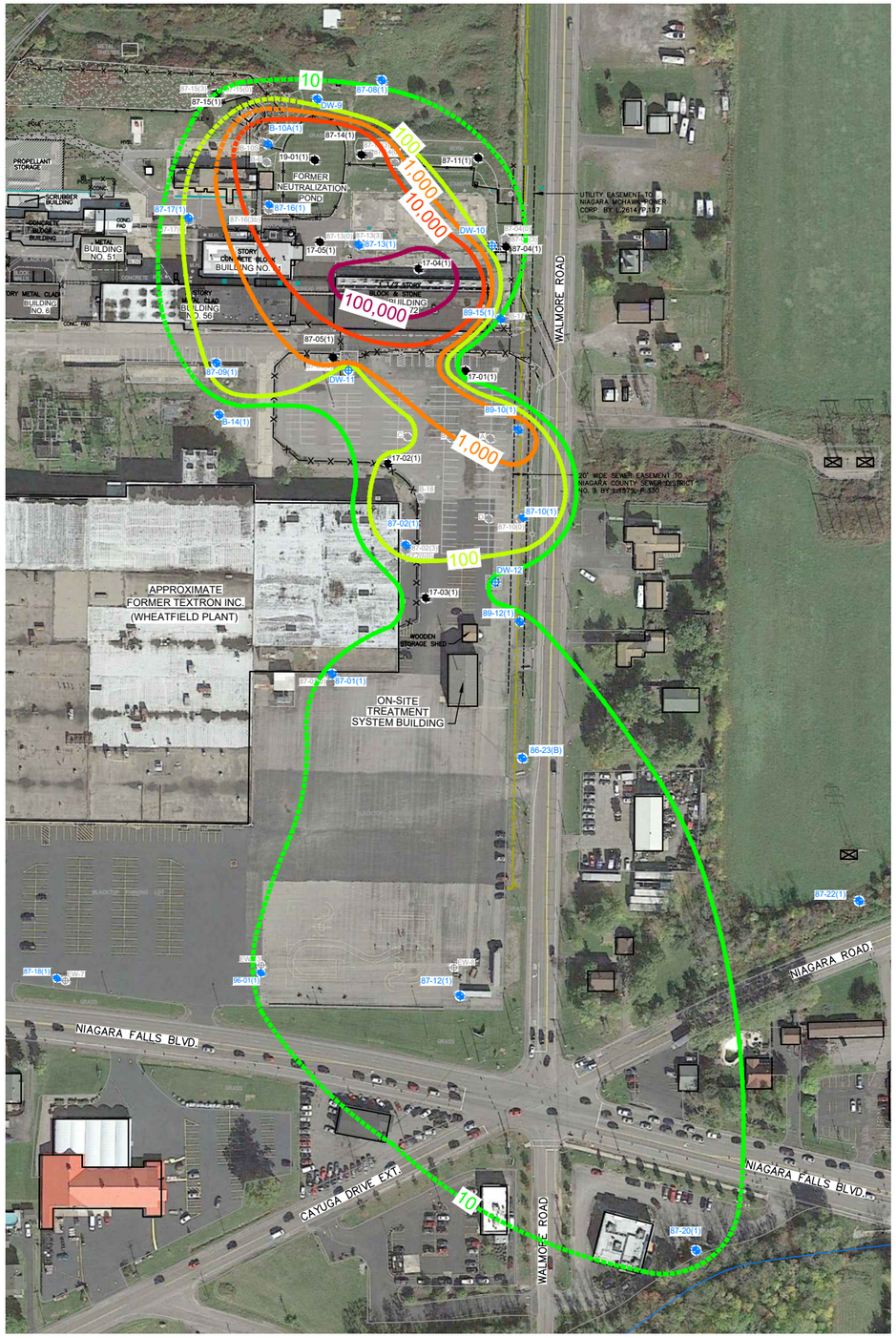
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

SCALE
0 120 240 FEET

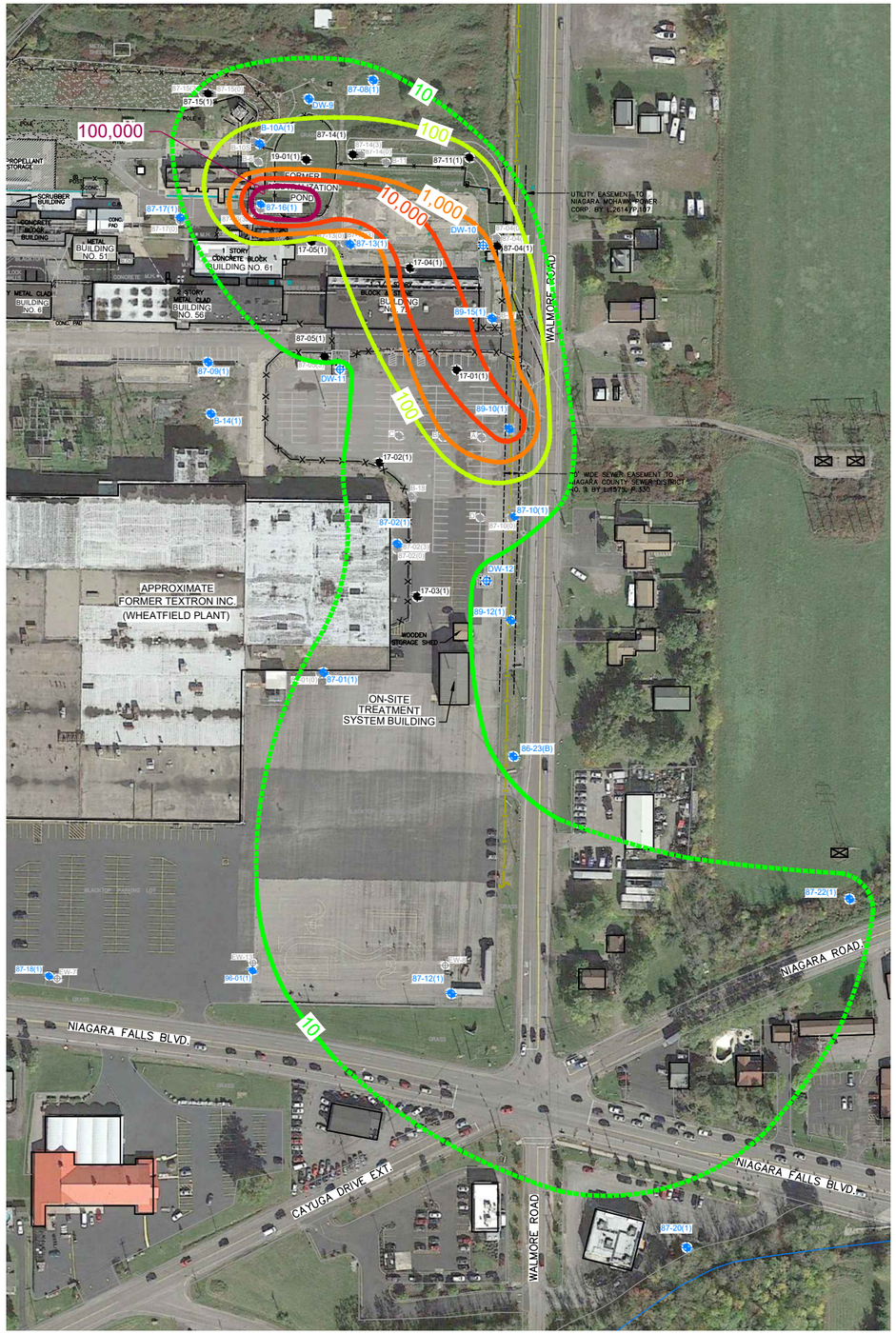
REFERENCE:

DERIVED FROM FONTANESE, FOLTS, AUBRECHT, AND ERNST ARCHITECTS, "MOOG INC.–PROJECT BELL–SITE PLAN", DATED JUNE 12, 2017.

PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



POST INJECTION CONDITIONS (MARCH 2022)



LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 1,000 TRICHLOROETHENE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

SCALE

0 200 400 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 4
TRICHLOROETHENE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
R. Mayer	E. Schlegel	R. Mayer	P. Bauer	63126330-B46

OFFICE	DATE
Pittsburgh, PA	5/23/22

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Plotted By: Evan.Schlegel
Xref:
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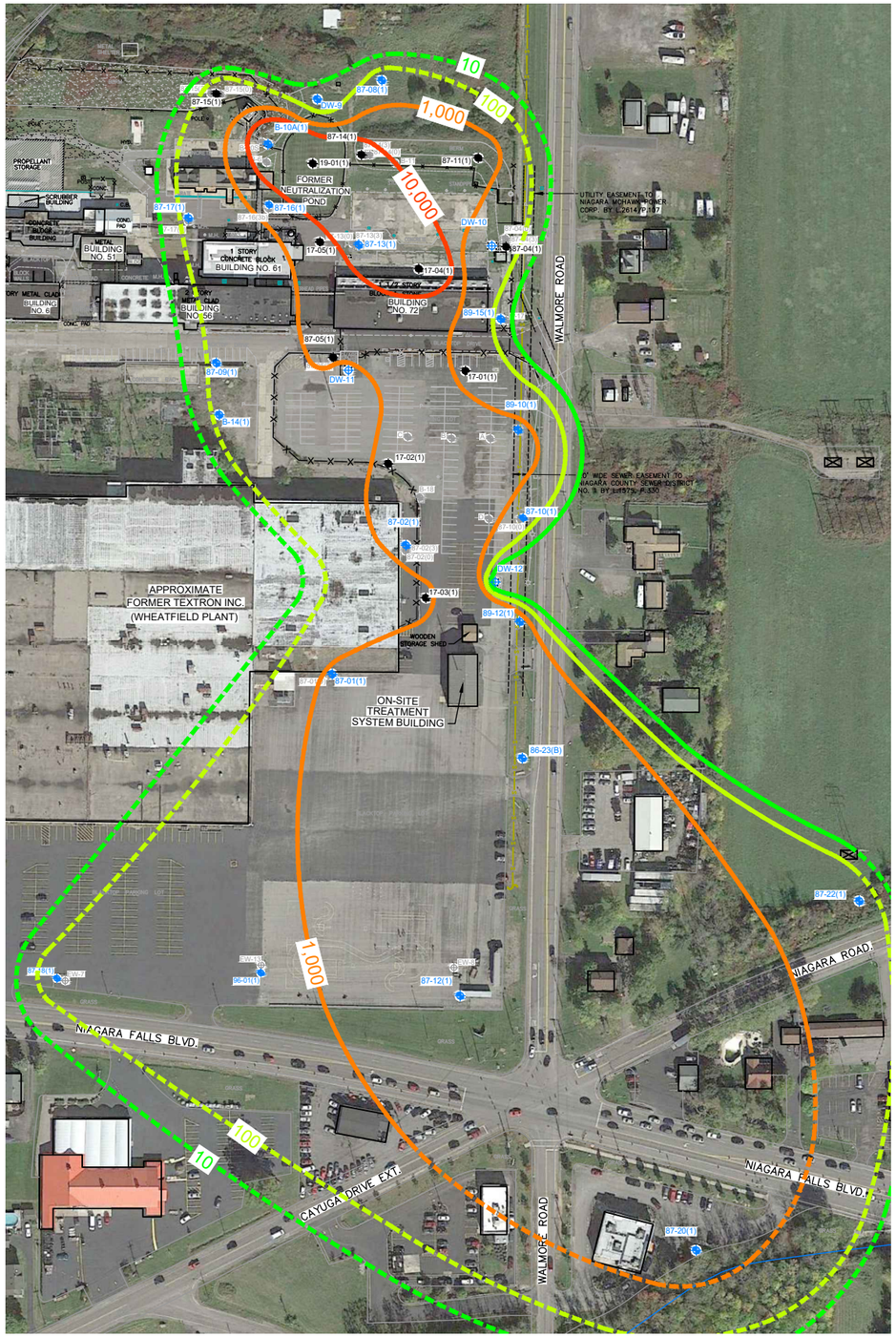

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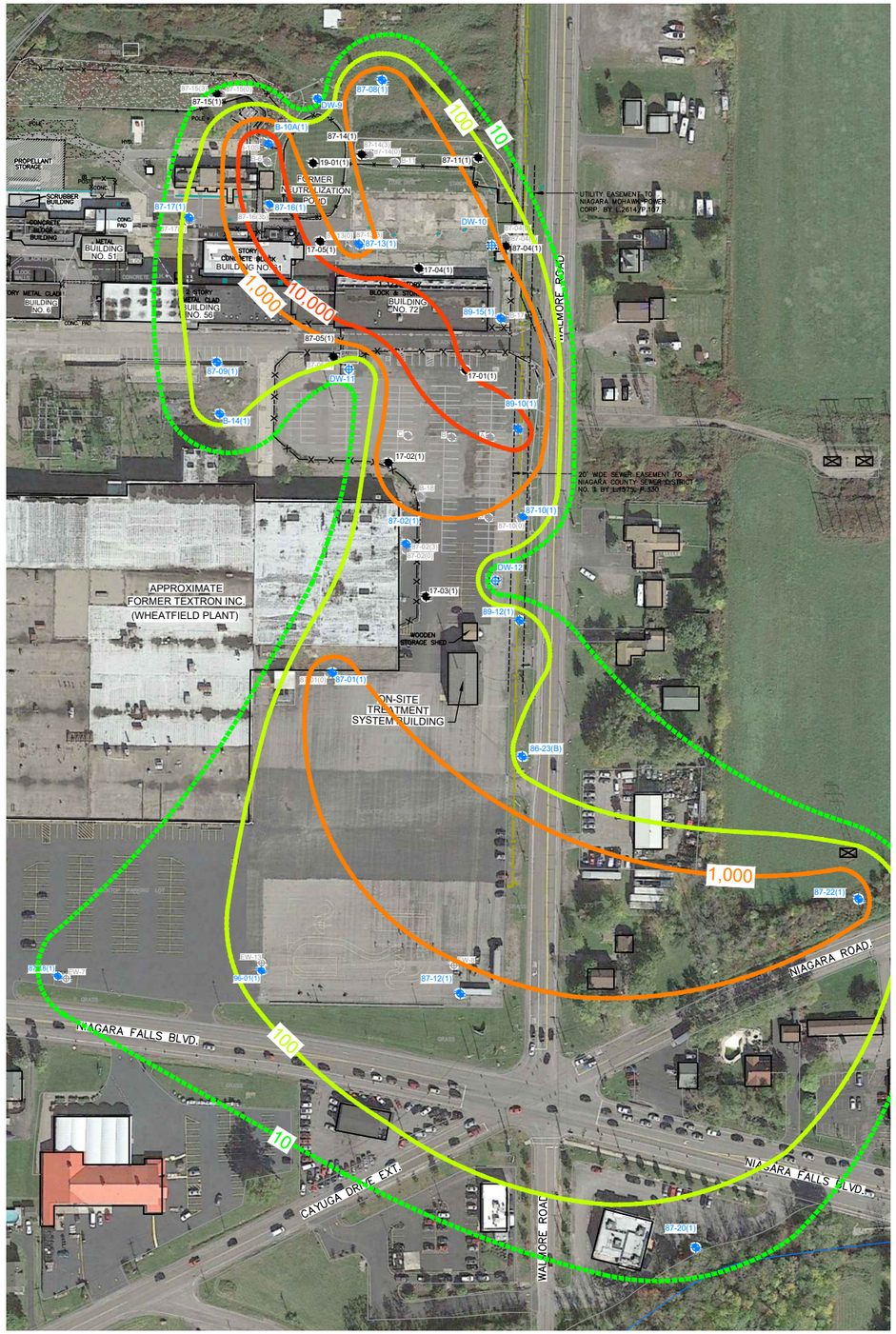

N

LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- CIS–1,2–DCE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

SCALE

0 200 400 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 5
CIS-1,2-DCE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
R. Mayer	E. Schlegel	R. Mayer	P. Bauer	631232612-B47

OFFICE	DATE
Pittsburgh, PA	5/27/22

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Xref:
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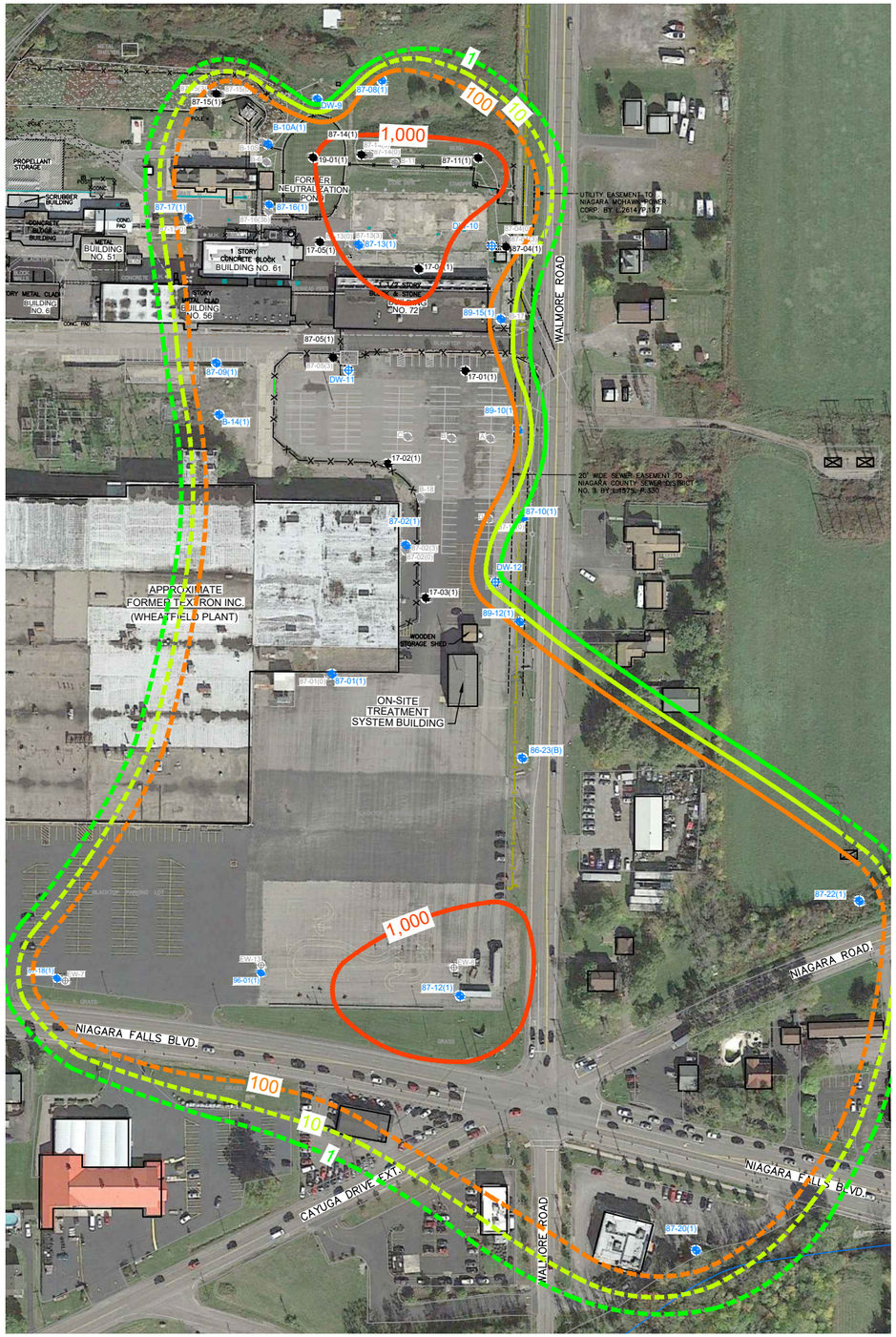

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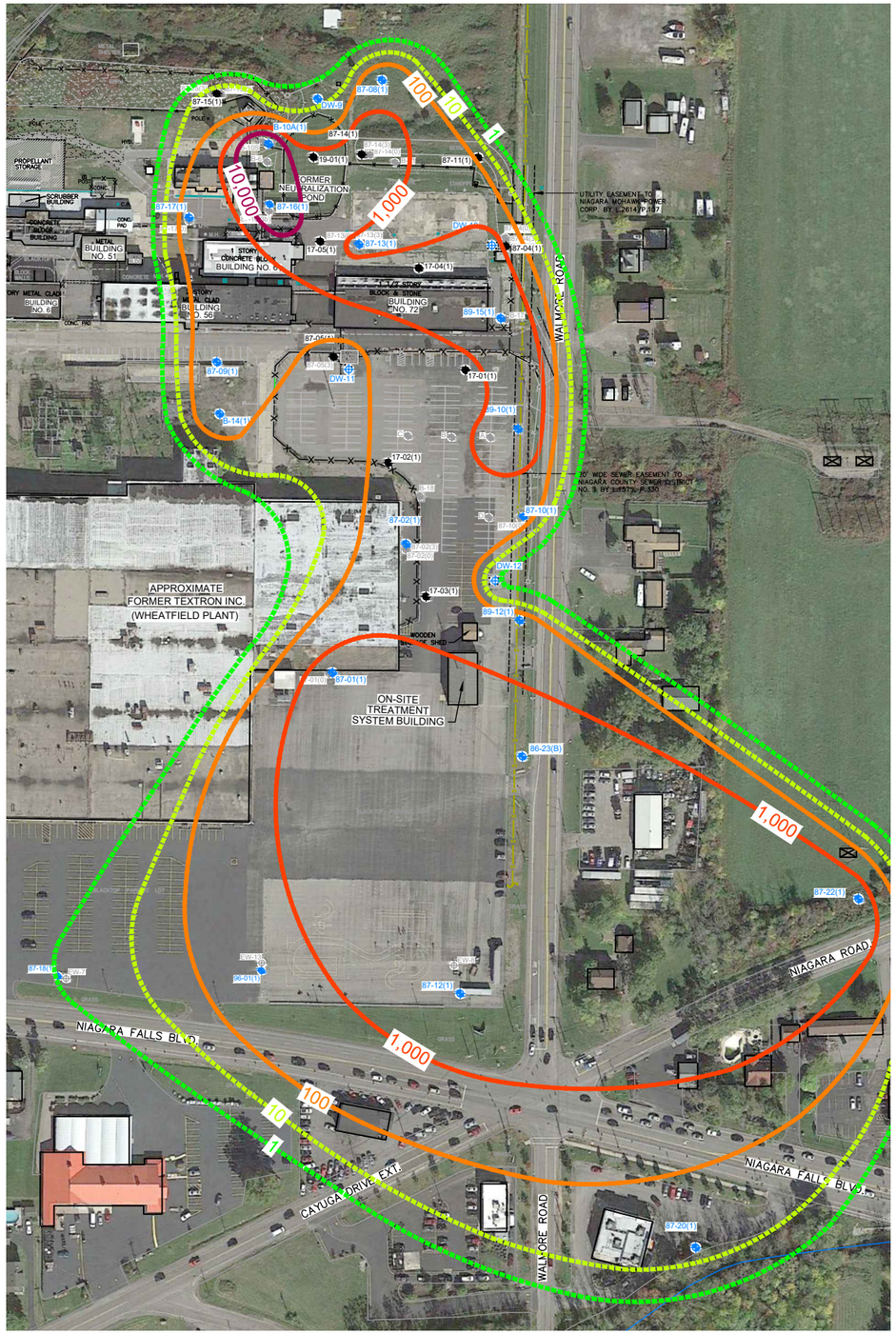

N

LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 1,000 VINYL CHLORIDE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

SCALE

0 200 400 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 6
VINYL CHLORIDE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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631232612-B48	P. Bauer	R. Mayer	E. Schlegel	R. Mayer

OFFICE	DATE
Pittsburgh, PA	5/27/22

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Xref:
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R. Mayer	E. Schlegel	R. Mayer	P. Bauer	631232612-B49

OFFICE	DATE
Pittsburgh, PA	6/1/22

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Xref:
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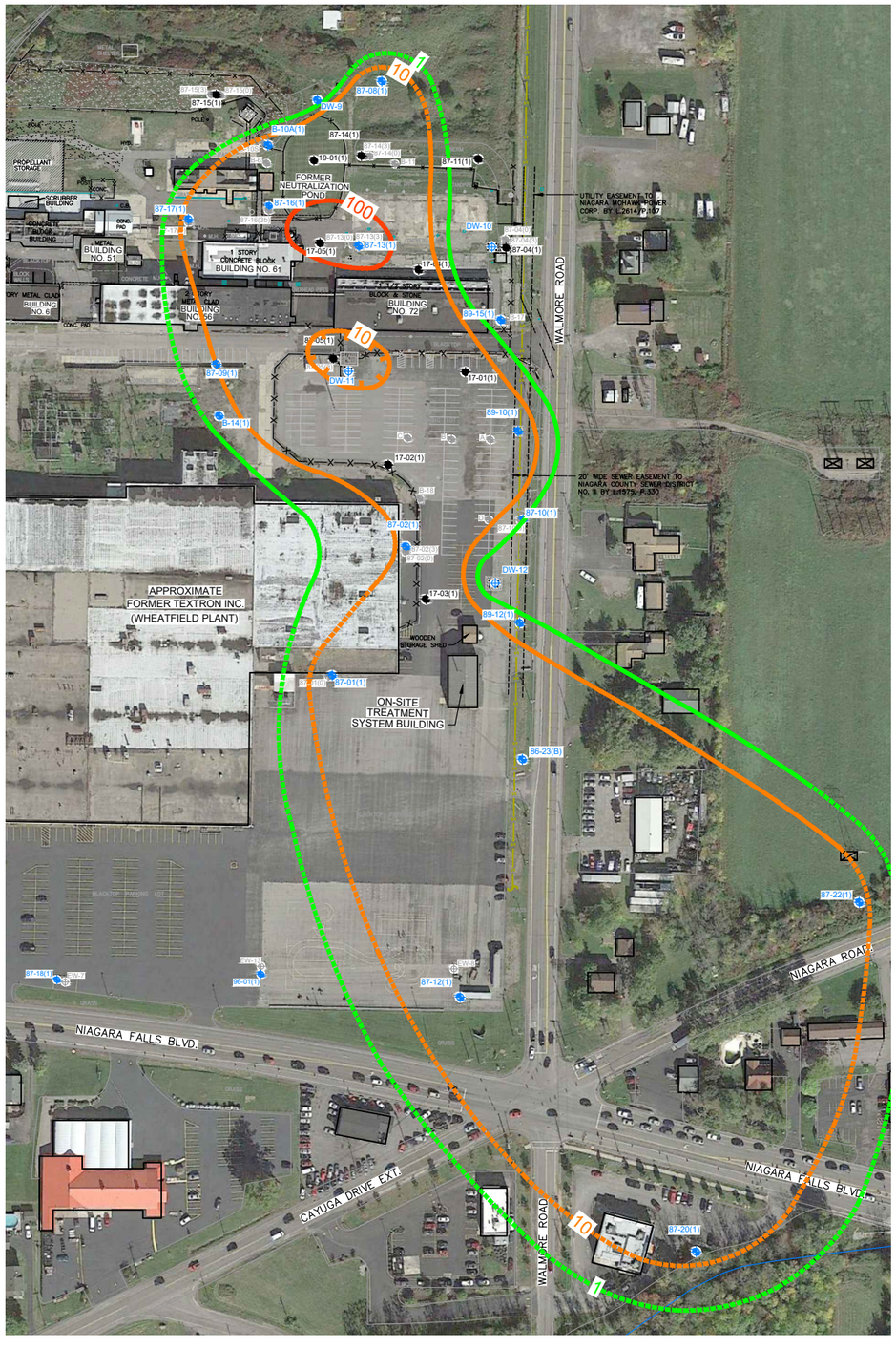
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



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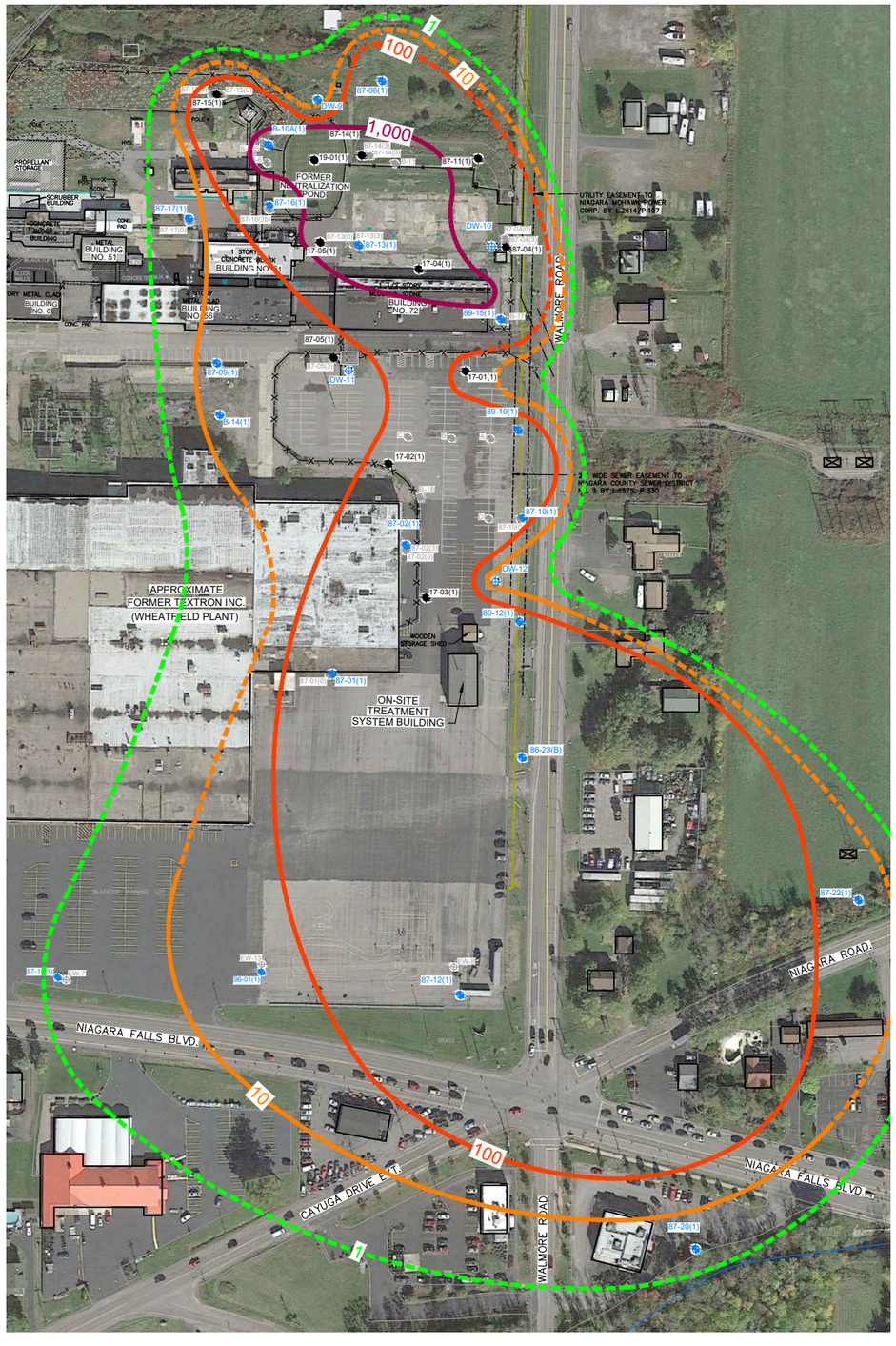

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LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 10 — ETHENE ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

NOTE:

ETHENE IS THE FINAL DAUGHTER PRODUCT OF TRICHLOROETHENE (TCE) DEGRADATION AND ITS PRESENCE INDICATES COMPLETE REDUCTIVE DECHLORINATION.

SCALE

0 200 400 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 7
ETHENE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS
2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

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R. Mayer	E. Schlegel	R. Mayer	P. Bauer	631232612-B50

OFFICE	DATE
Pittsburgh, PA	6/1/22

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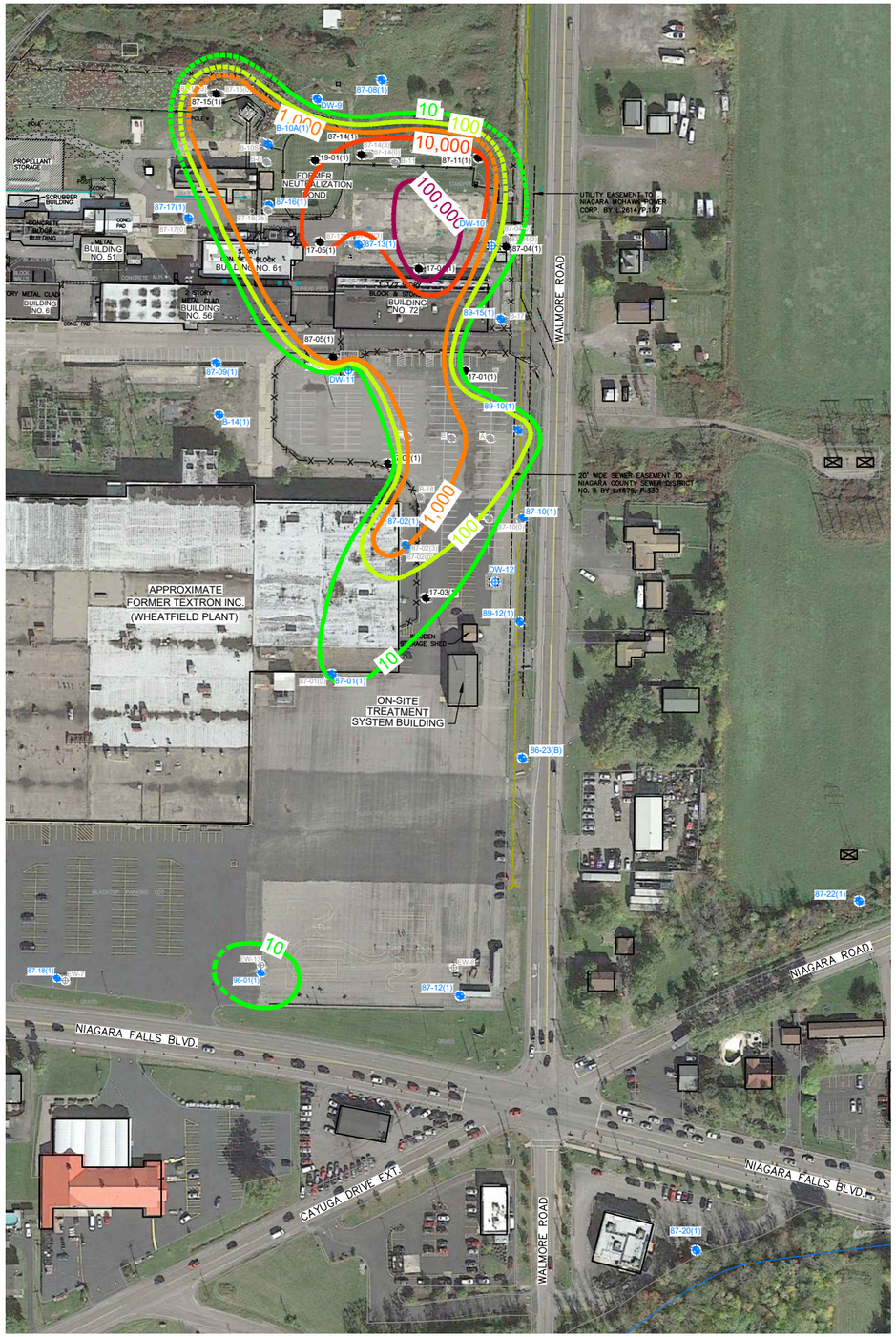
PRE-INJECTION CONDITIONS (MAY AND NOVEMBER 2017)



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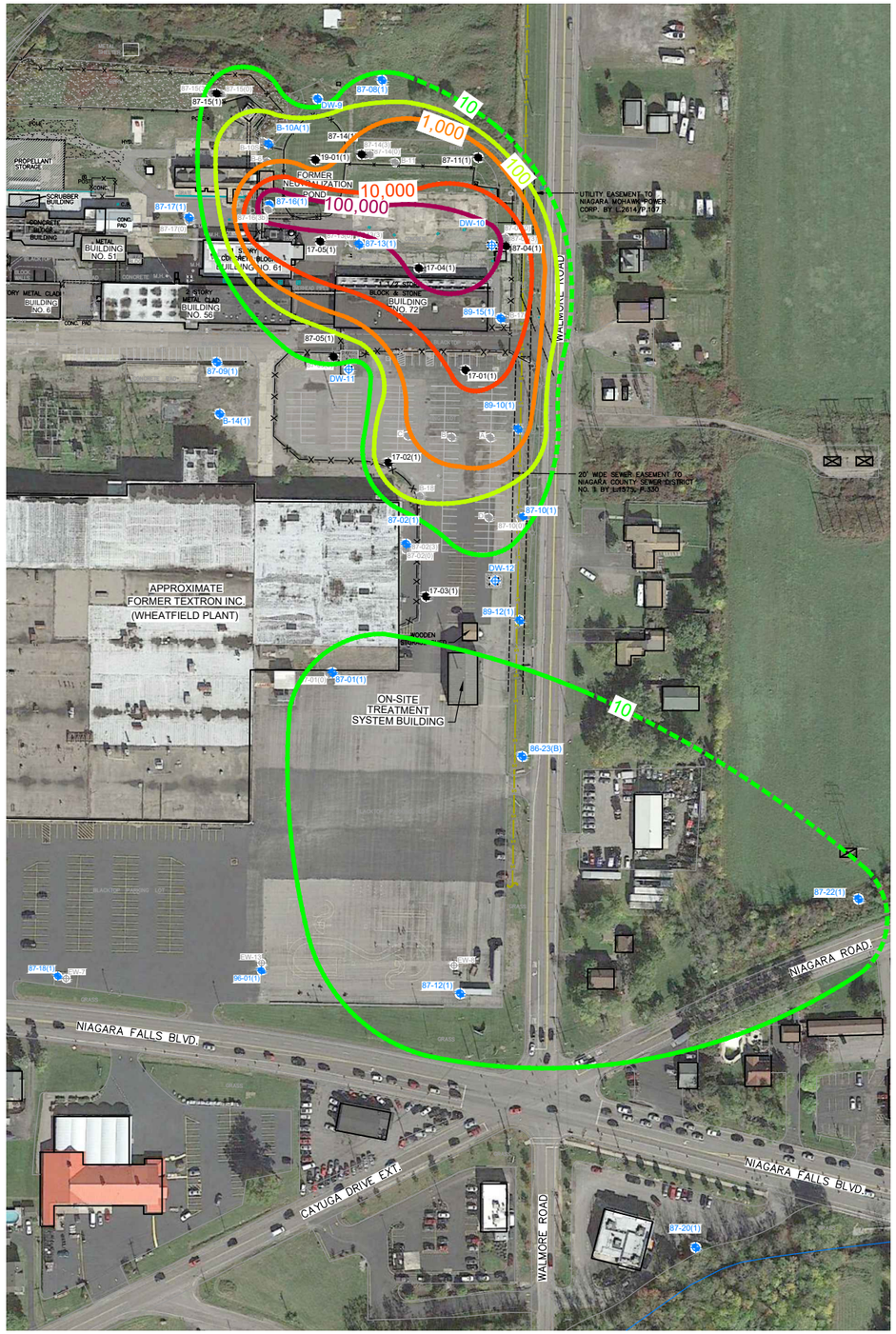


LEGEND:

- INJECTION LOCATION (ZONE 1)
- EXTRACTION WELL OR DNAPL WELL (ZONE 1)
- ZONE 1 MONITORING WELL
- MONITORING WELL NOT USED IN MONITORING PROGRAM
- MANHOLE
- CATCH BASIN
- APPROXIMATE NIAGARA COUNTY SEWER DISTRICT LINE
- 1,000 METHYLENE CHLORIDE ISOCONCENTRATION CONTOUR (ppb, DASHED WHERE INFERRED)

SCALE

0 200 400 FEET

APTIM

TEXTRON
NIAGARA FALLS, NEW YORK

FIGURE 8
METHYLENE CHLORIDE ISOCONCENTRATION MAP
ZONE 1 BEDROCK
PRE AND POST-INJECTION CONDITIONS

2221 NIAGARA FALLS BOULEVARD
NIAGARA FALLS, NEW YORK

Appendix A

TCE Degradation Information

S-MicroZVI Specification Sheet

S-MicroZVI Technical Description

S-MicroZVI® is an *In Situ* Chemical Reduction (ISCR) reagent that promotes the destruction of many organic pollutants and is most commonly used with chlorinated hydrocarbons. It is engineered to provide an optimal source of micro-scale zero valent iron (ZVI) that is both easy to use and delivers enhanced reactivity with the target contaminants via multiple pathways. S-MicroZVI can destroy many chlorinated contaminants through a direct chemical reaction (**see Figure 1**). S-MicroZVI will also stimulate anaerobic biological degradation by rapidly creating a reducing environment that is favorable for reductive dechlorination.

Sulfidated ZVI

S-MicroZVI is composed of colloidal, sulfidated zero-valent iron particles suspended in glycerol using proprietary environmentally acceptable dispersants. The passivation technique of sulfidation, completed using proprietary processing methods, provides unparalleled reactivity with chlorinated hydrocarbons like PCE and TCE and increases its stability and longevity by minimizing undesirable side reactions.

S-MicroZVI is Best in Class For

- ☑ Longevity
- ☑ Reactivity
- ☑ Transport

In addition to superior reactivity, S-MicroZVI is designed for easy handling that is unmatched by any ZVI product on the market. Shipped as a liquid suspension, S-MicroZVI requires no powder feeders, no thickening with guar, and pneumatic or hydraulic fracturing is not mandatory. When diluted with water prior to application, the resulting suspension is easy to inject using either direct push or permanent injection wells.

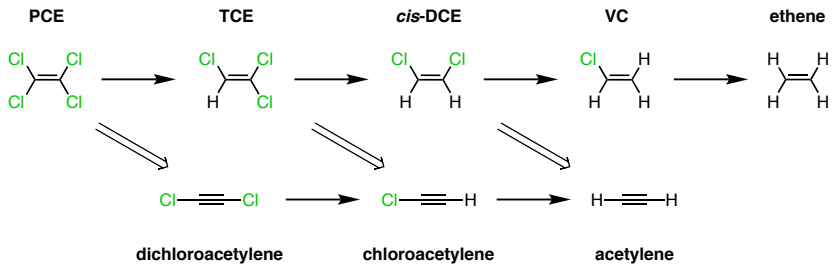


Figure 1: *Chlorinated ethene degradation pathways and products. The top pathway with single line arrows represent the reductive dechlorination (hydrogenolysis) pathway. The lower pathway with downward facing double line arrows represent the beta-elimination pathway.*

To see a list of treatable contaminants, view the S-MicroZVI treatable contaminants guide.

S-Micro ZVI
Sulfidated Zero-Valent Iron

S-MicroZVI Specification Sheet

Chemical Composition

Iron, powders CAS 7439-89-6
Iron (II) sulfide CAS 1317-37-9
Glycerol CAS 56-81-8

Properties

Physical State: Liquid
Form: Viscous metallic suspension
Color: Dark gray
Odor: Slight
pH: Typically 7-9 as applied
Density: 15 lb/gal

Storage and Handling Guidelines

Storage:

- Use within four weeks of delivery
- Store in original containers
- Store at temperatures below 95F°
- Store away from incompatible materials

Handling:

- Never mix with oxidants or acids
- Wear appropriate personal protective equipment
- Do not taste or swallow
- Observe good industrial hygiene practices

Applications

S-MicroZVI is diluted with water on site and easily applied into the subsurface through low-pressure injections. S-MicroZVI can also be mixed with products like 3-D Microemulsion® or PlumeStop® prior to injection.

Health and Safety

The material is relatively safe to handle; however, avoid contact with eyes, skin and clothing. OSHA Level D personal protection equipment including: vinyl or rubber gloves and eye protection are recommended when handling this product. Please review the Safety Data Sheet for additional storage, and handling requirements here: S-MicroZVI SDS.

REGENESIS®

www.regenesis.com

Corporate Headquarters
1011 Calle Sombra, San Clemente CA 92673 USA
Tel: +1 949.366.8000

European Offices (UK, Ireland, Belgium and Italy)
Email: europe@regenesis.com
Tel: +44 (0)1225 61 81 61

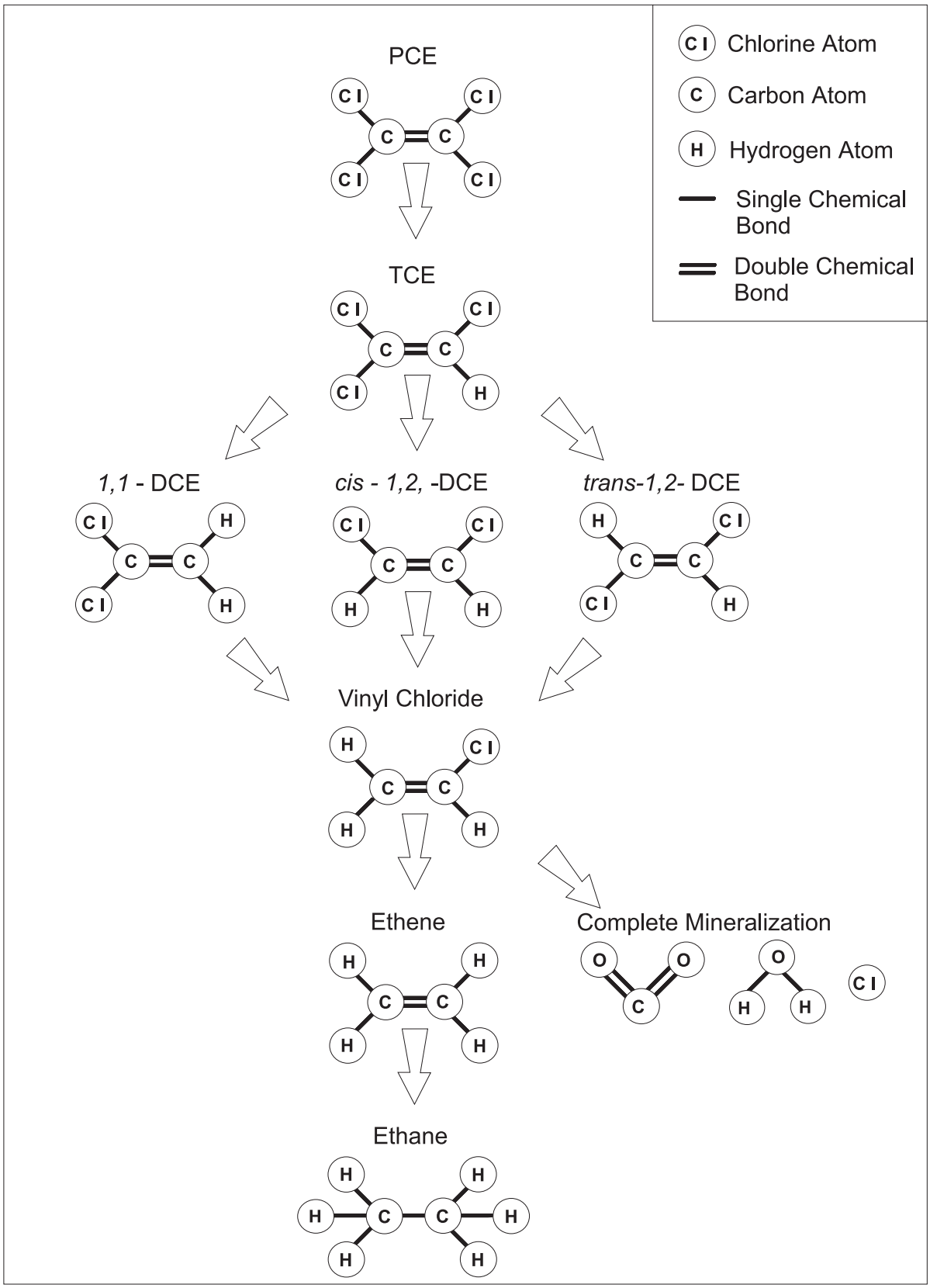


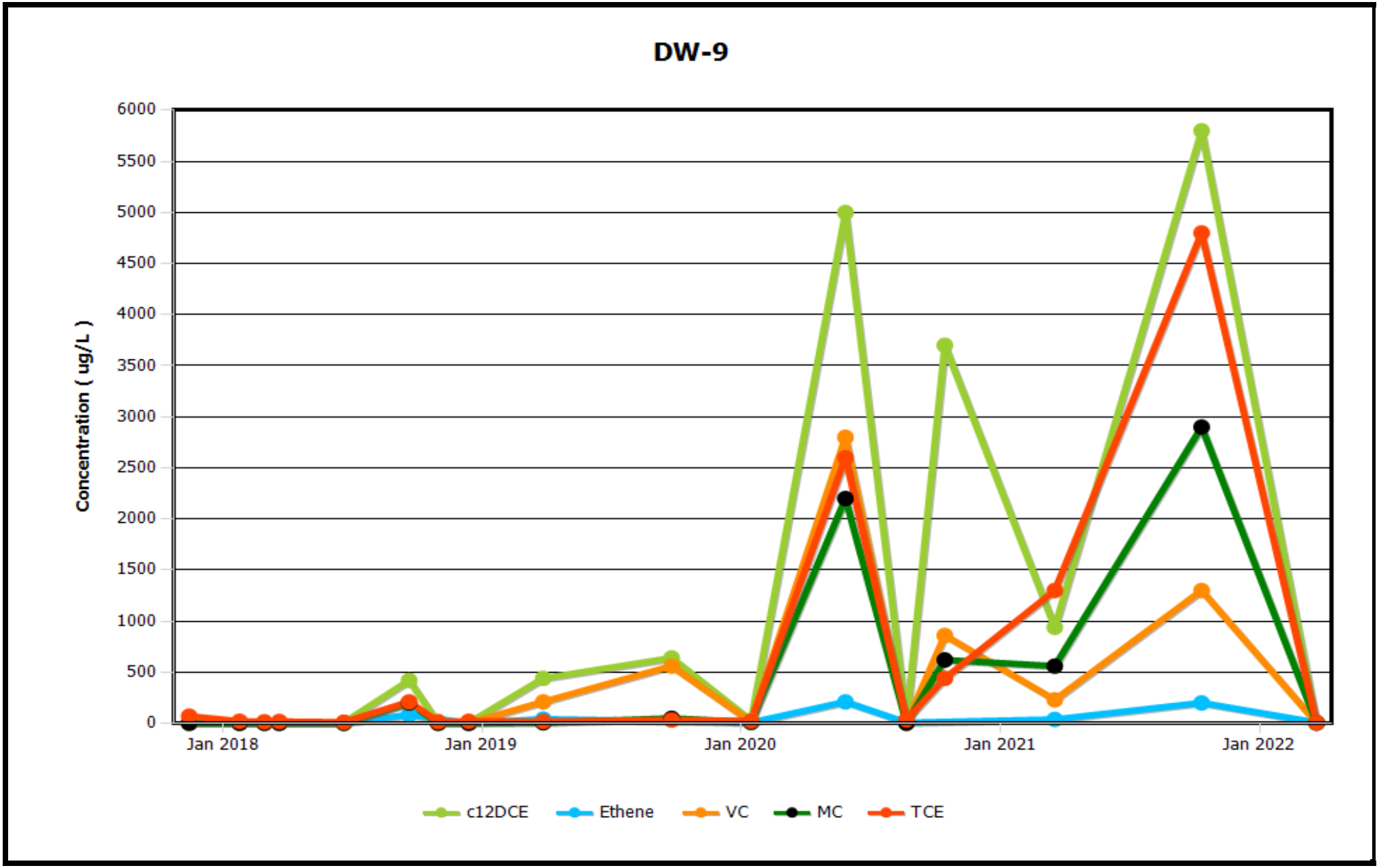
Figure 2.2 *Reductive dehalogenation of chlorinated ethenes.*

Appendix B

Line Graphs

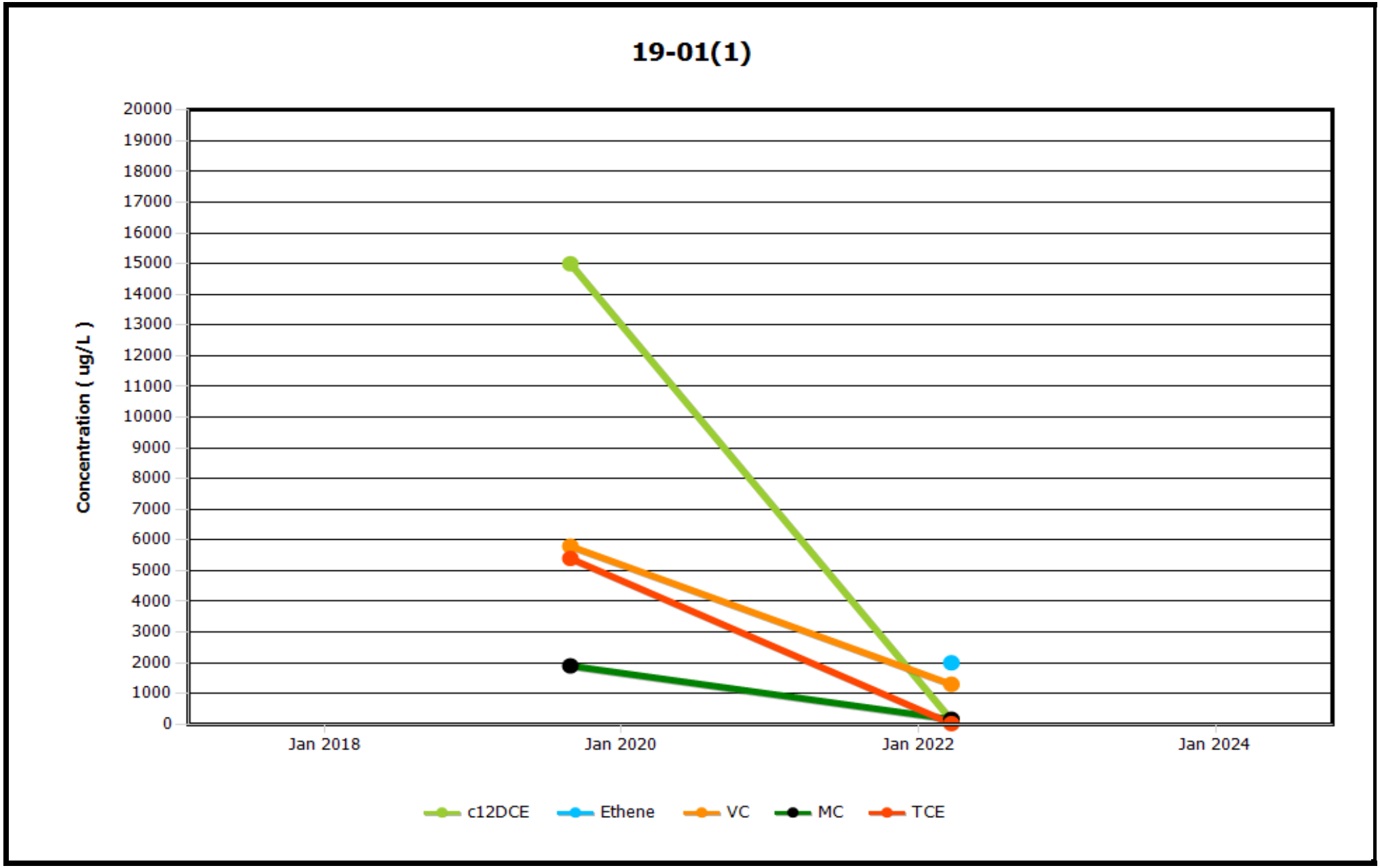
Appendix B - Graph 1

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



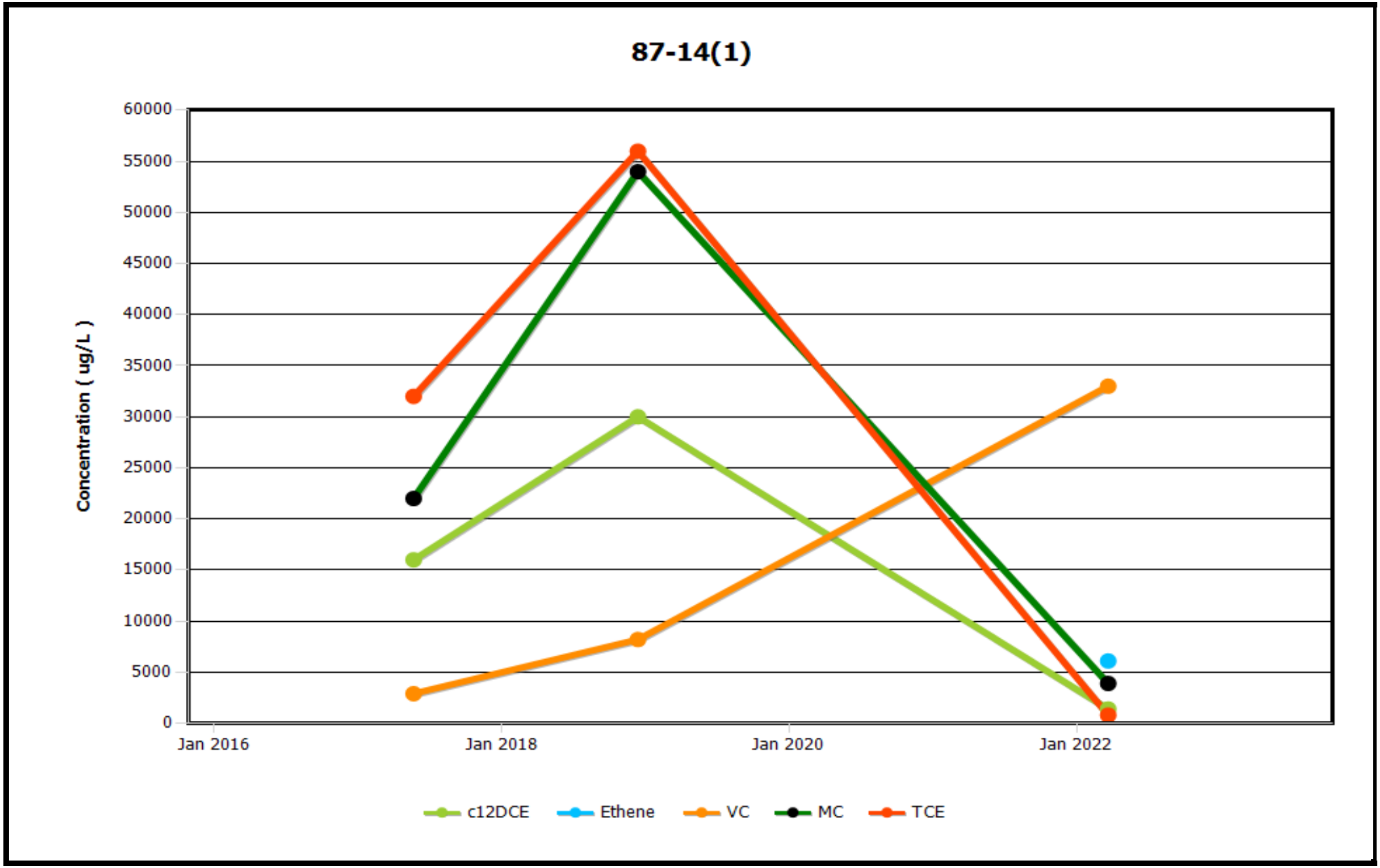
Appendix B - Graph 2

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



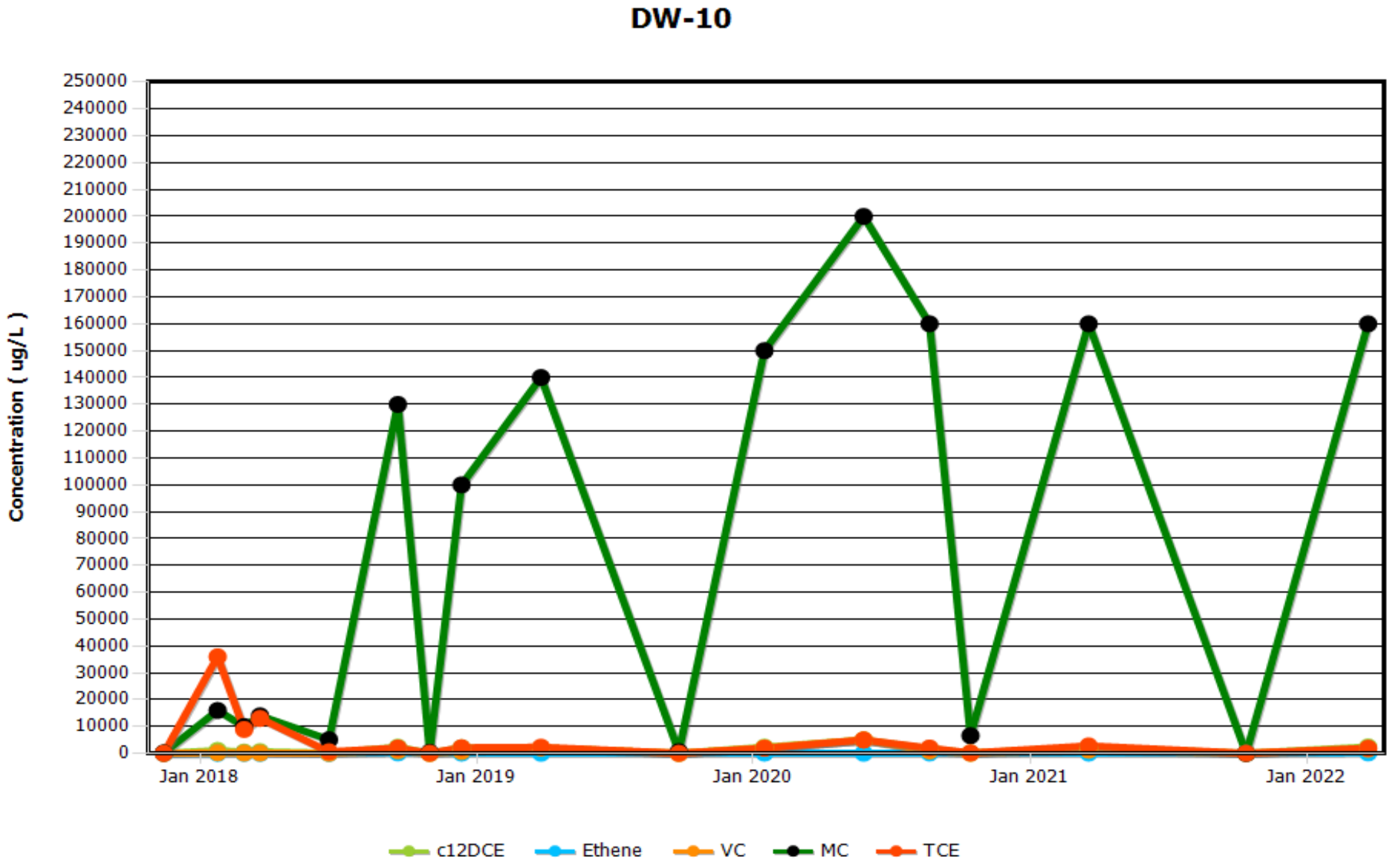
Appendix B - Graph 3

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



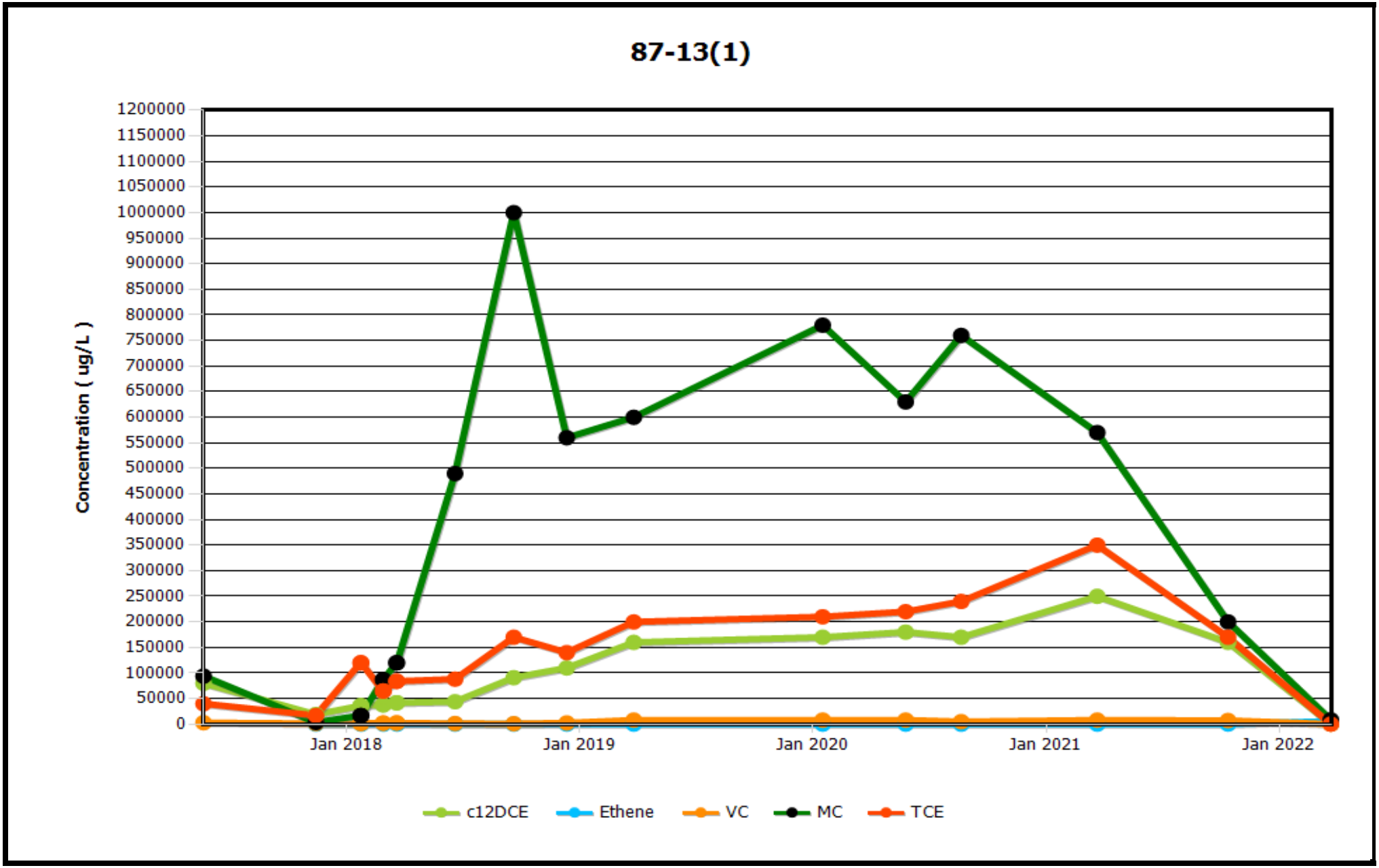
Appendix B - Graph 4

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



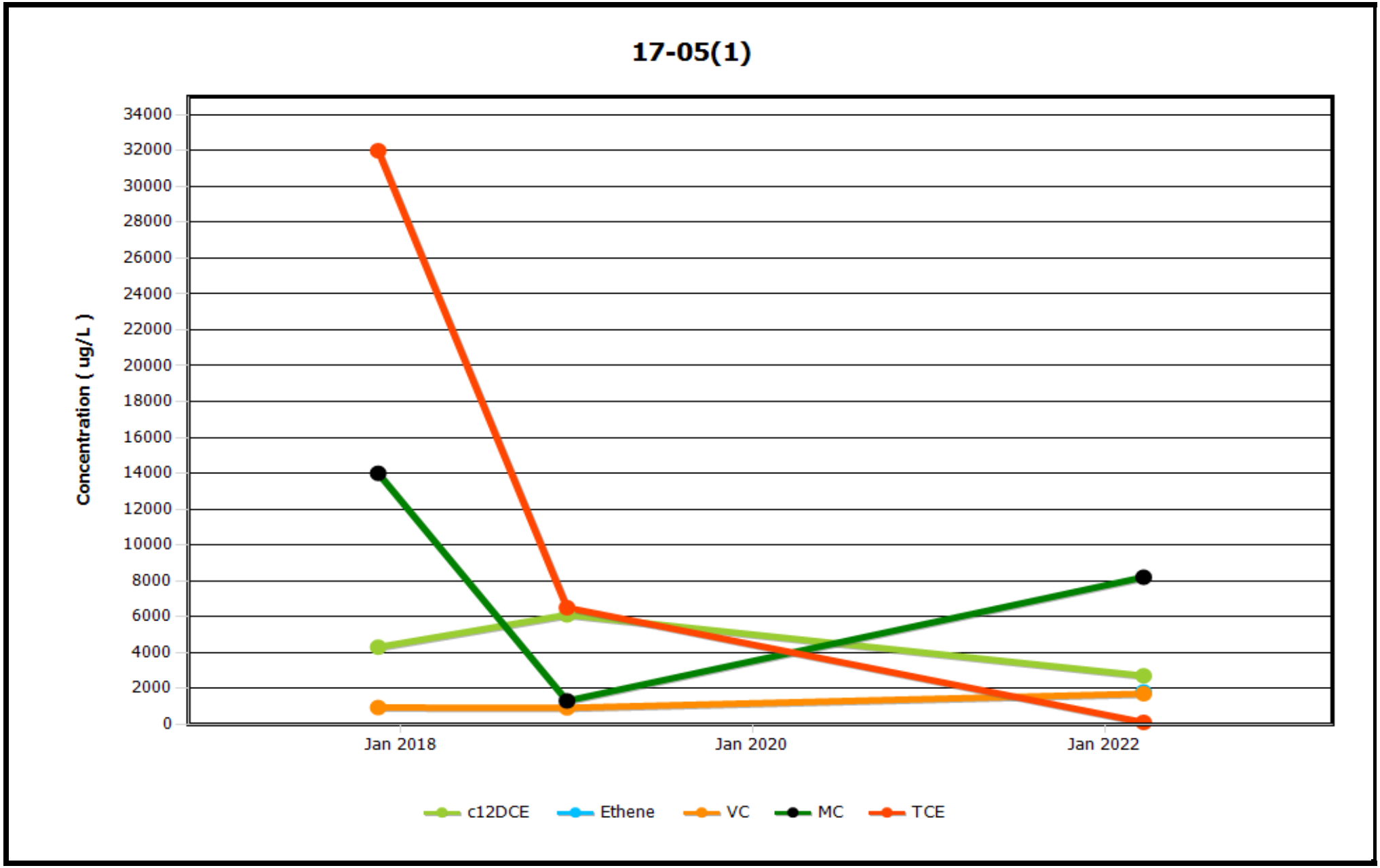
Appendix B - Graph 5

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



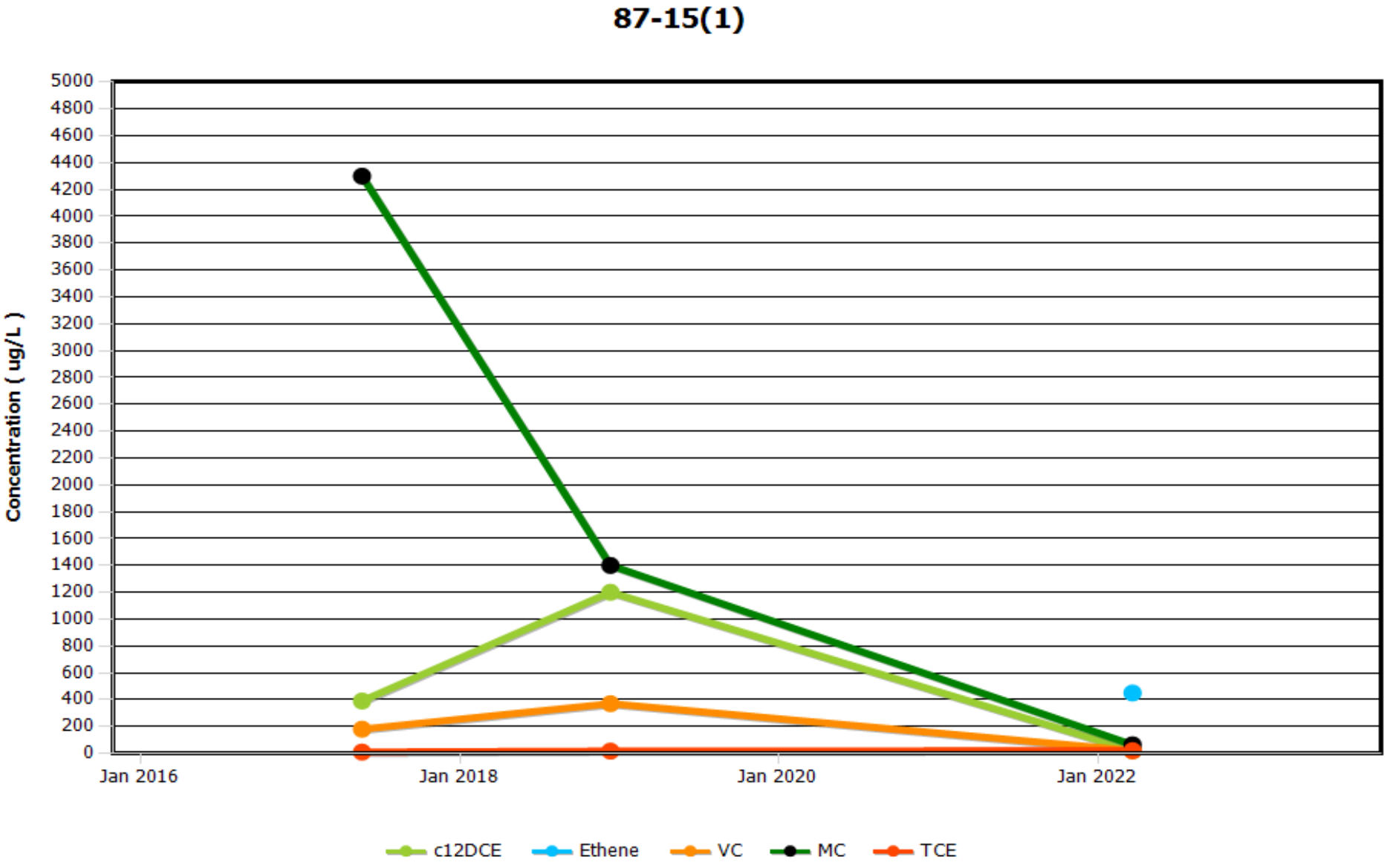
Appendix B - Graph 6

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



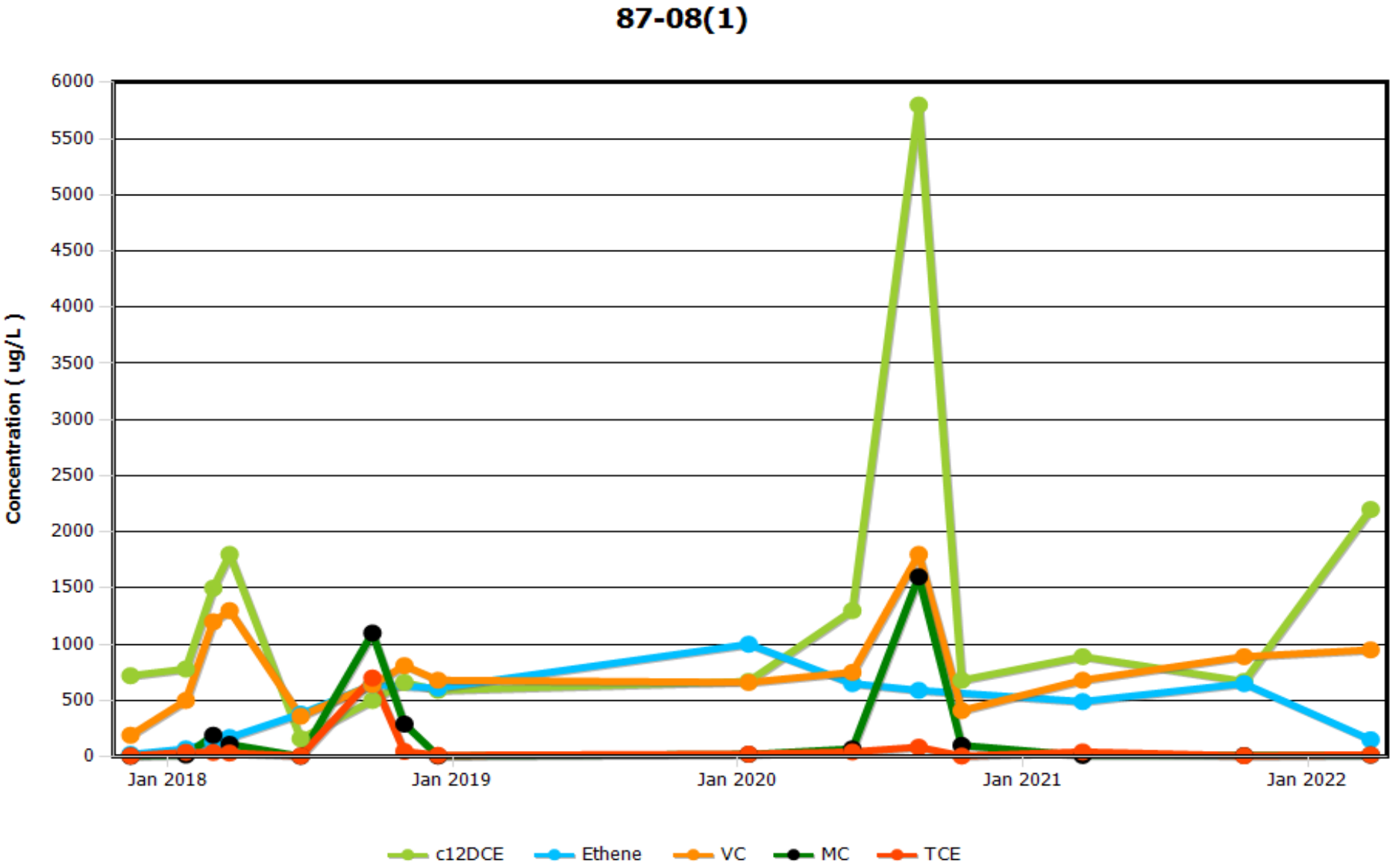
Appendix B - Graph 7

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



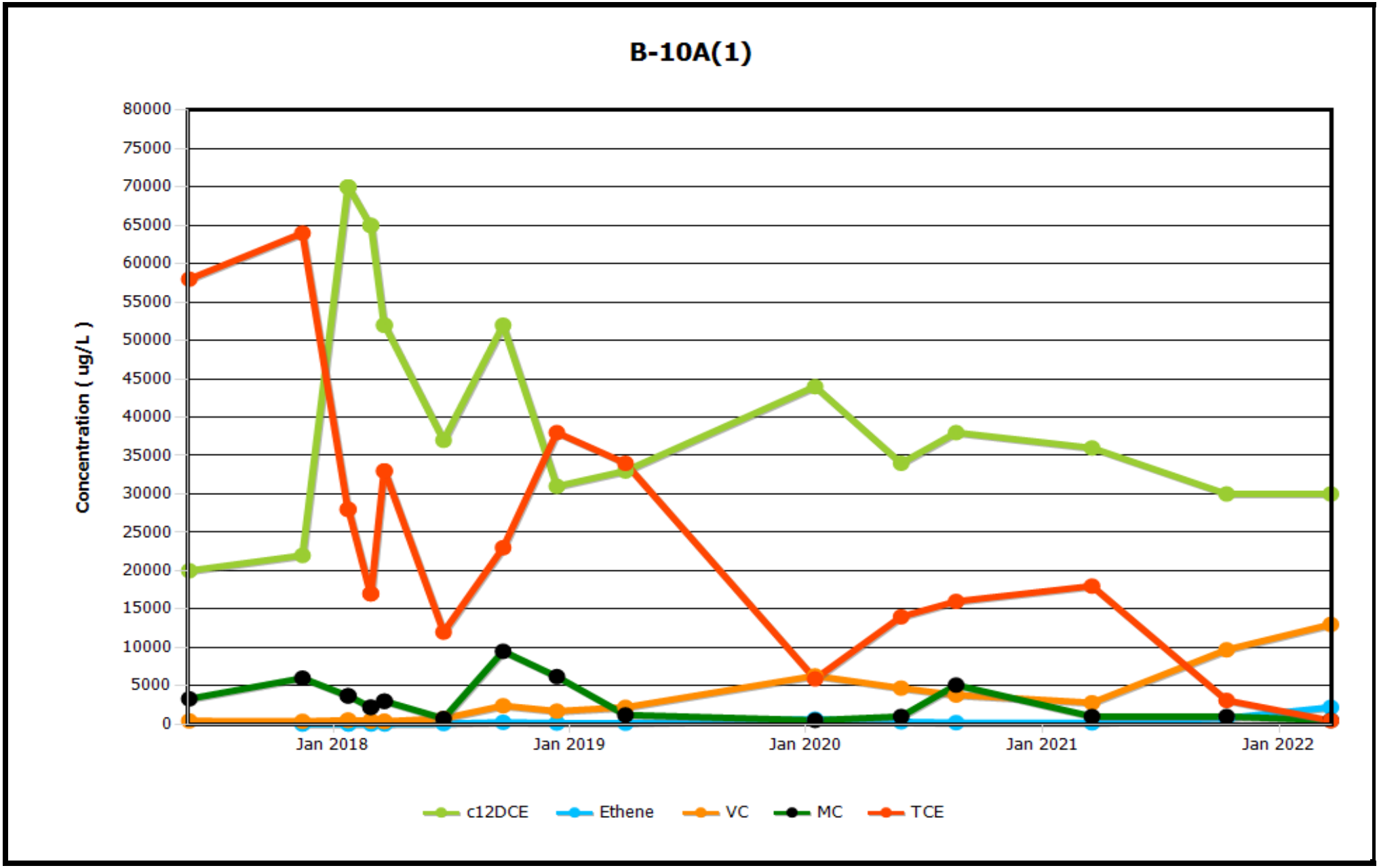
Appendix B - Graph 8

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



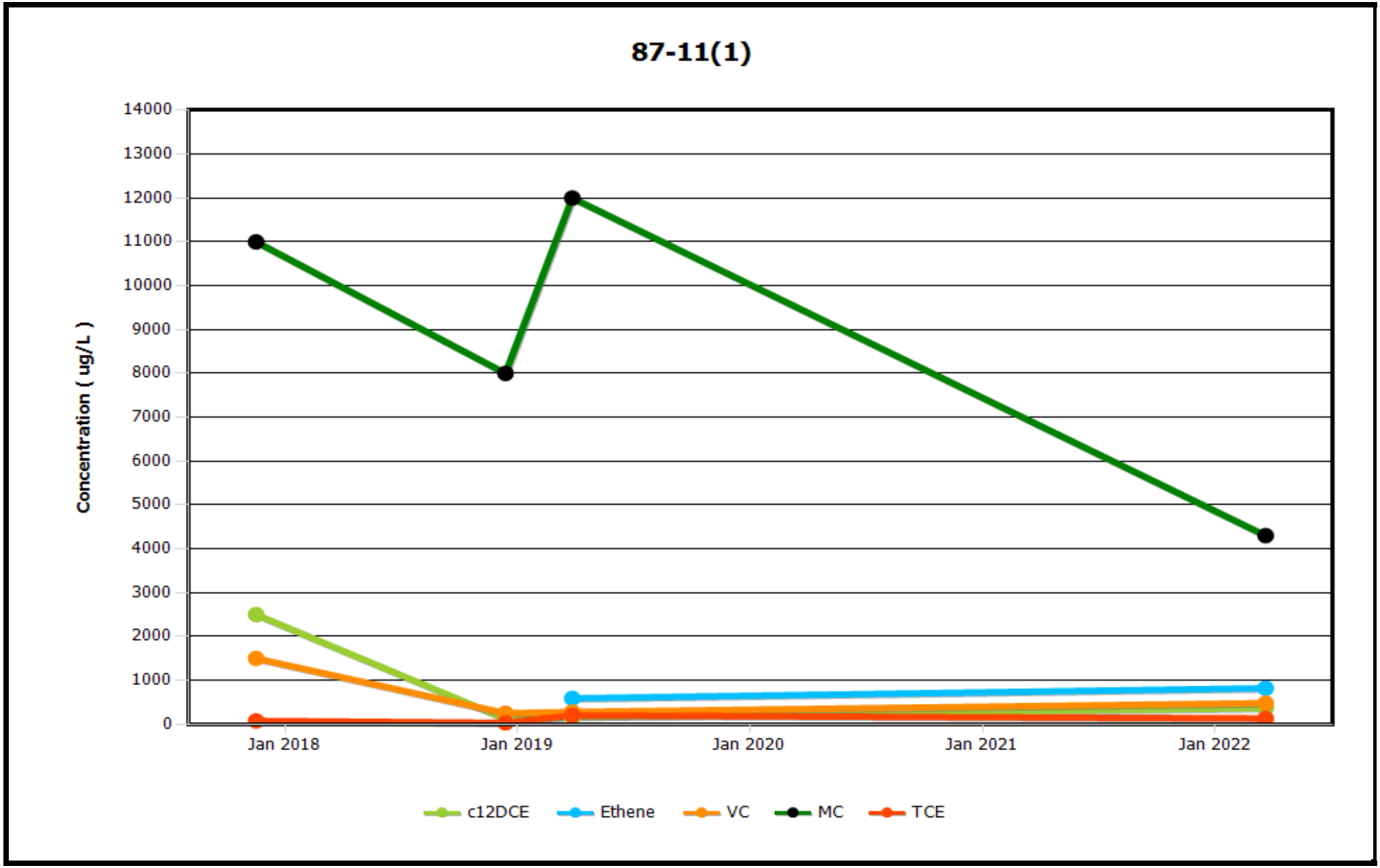
Appendix B - Graph 9

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



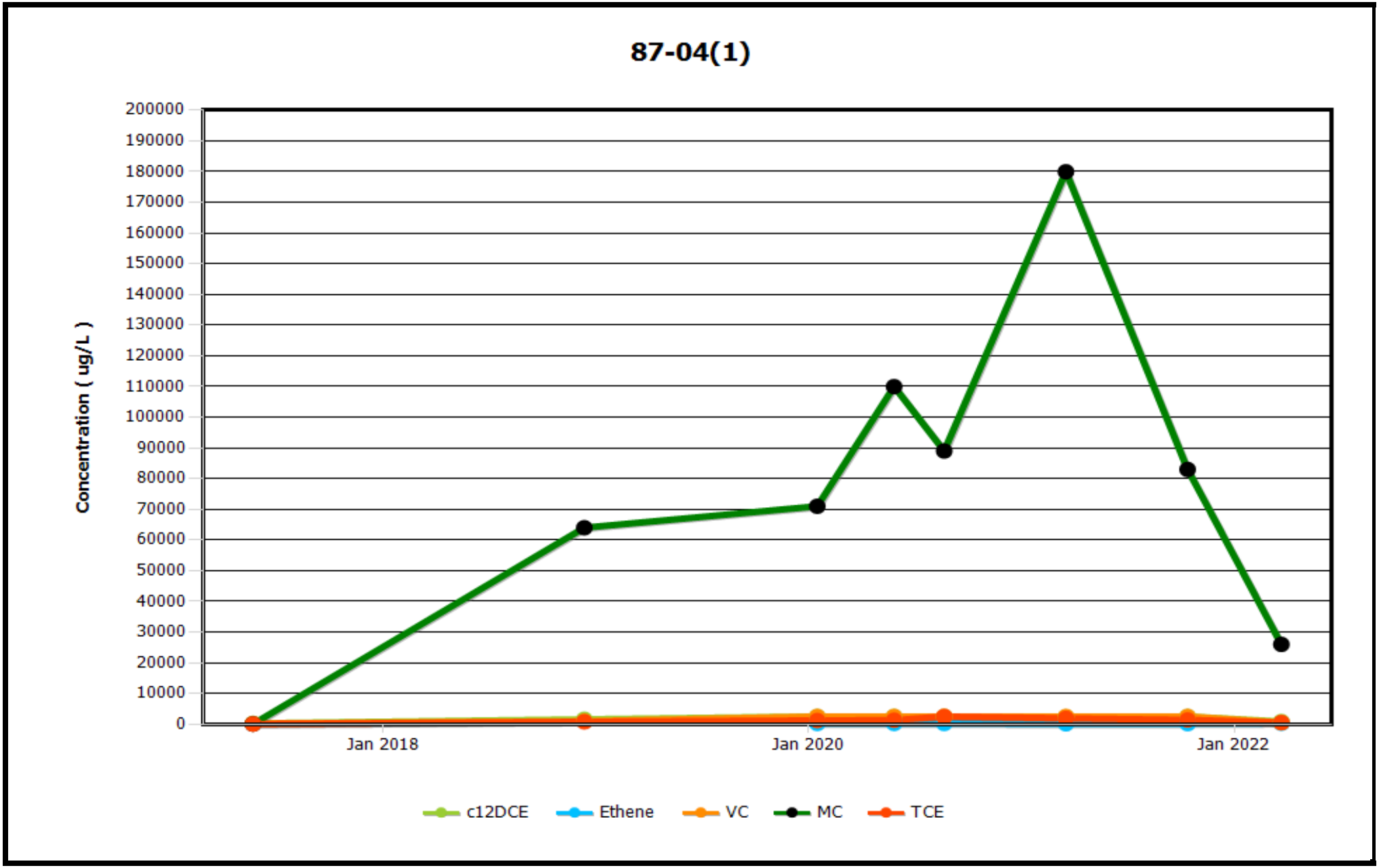
Appendix B - Graph 10

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



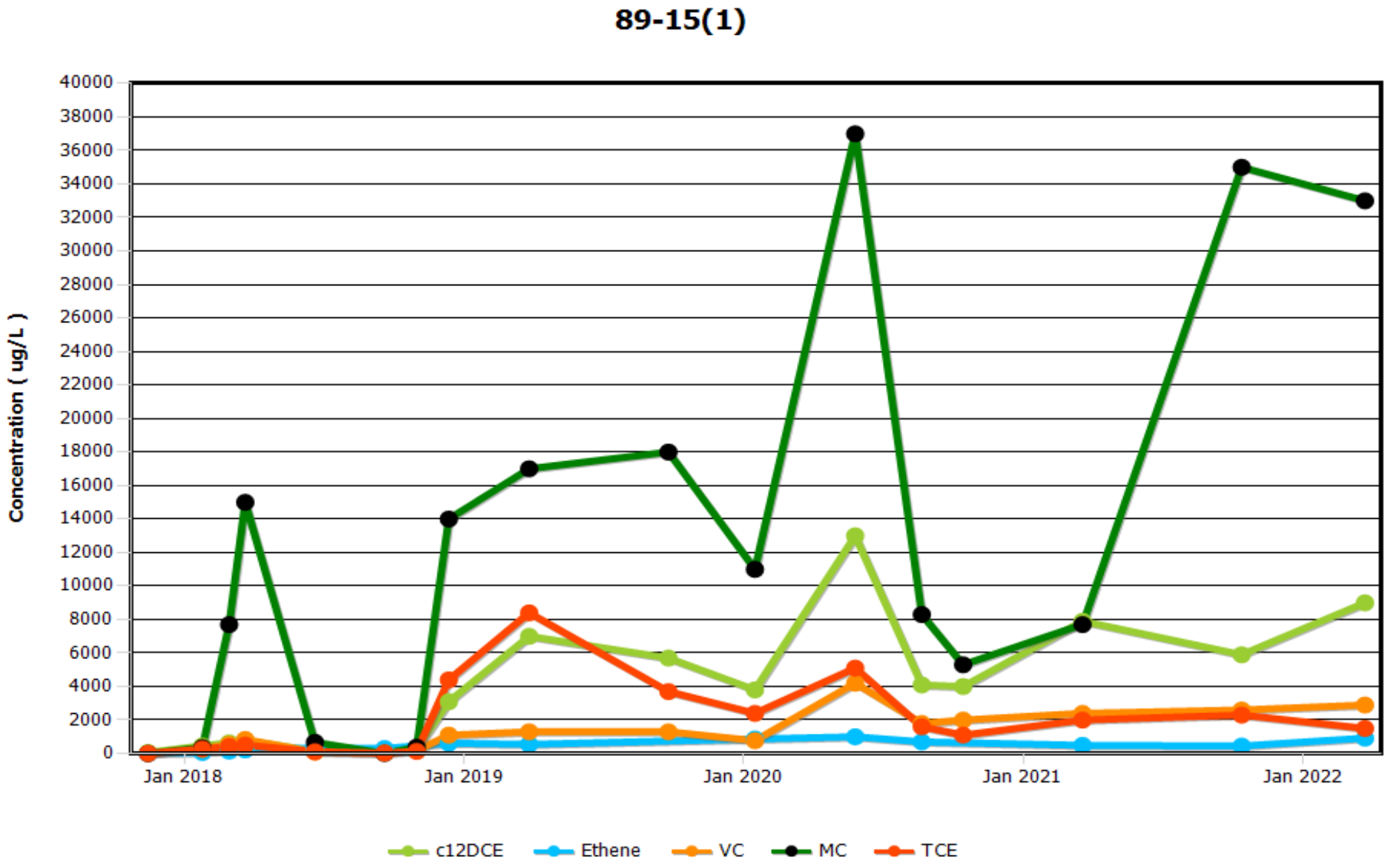
Appendix B - Graph 11

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



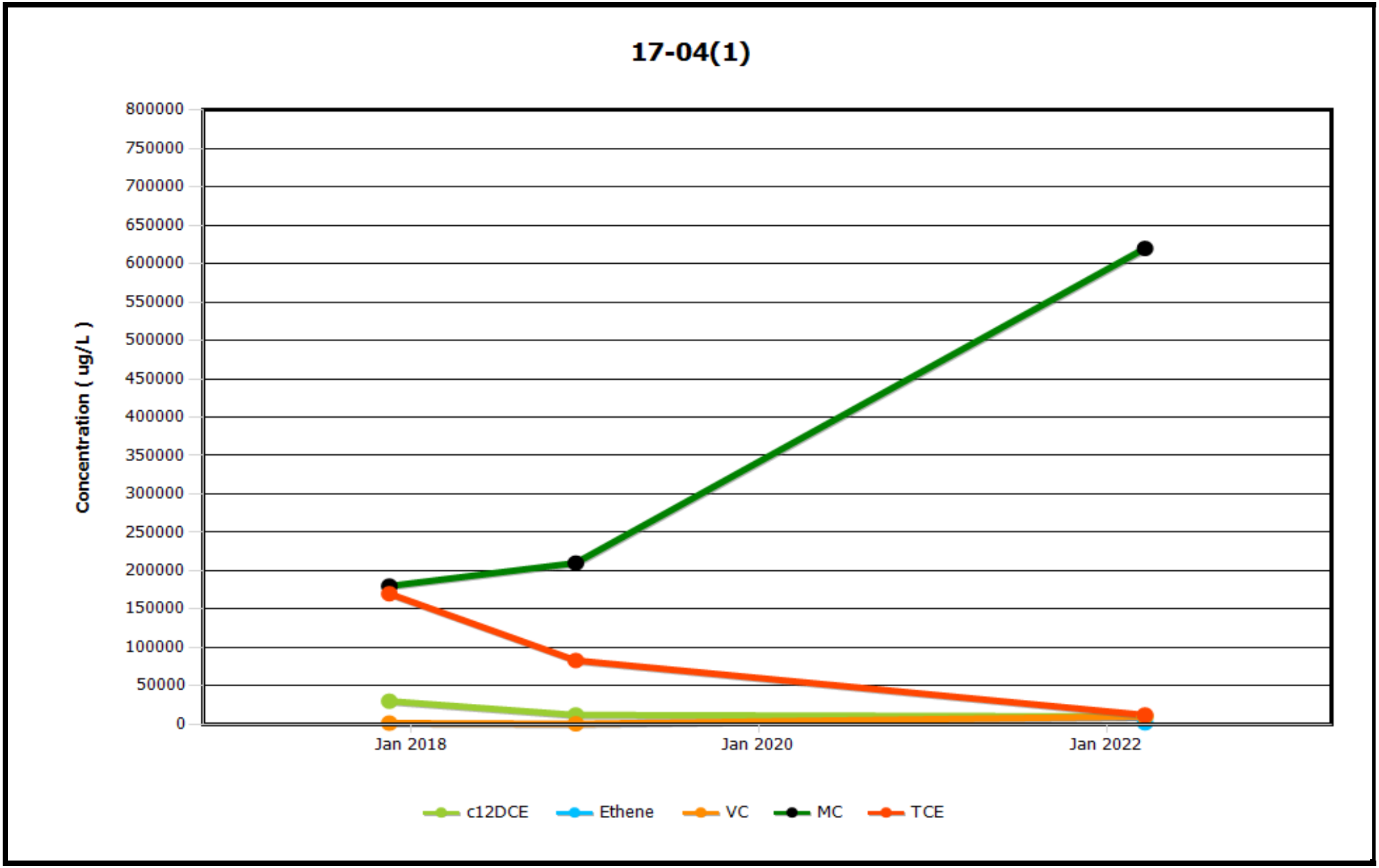
Appendix B - Graph 12

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



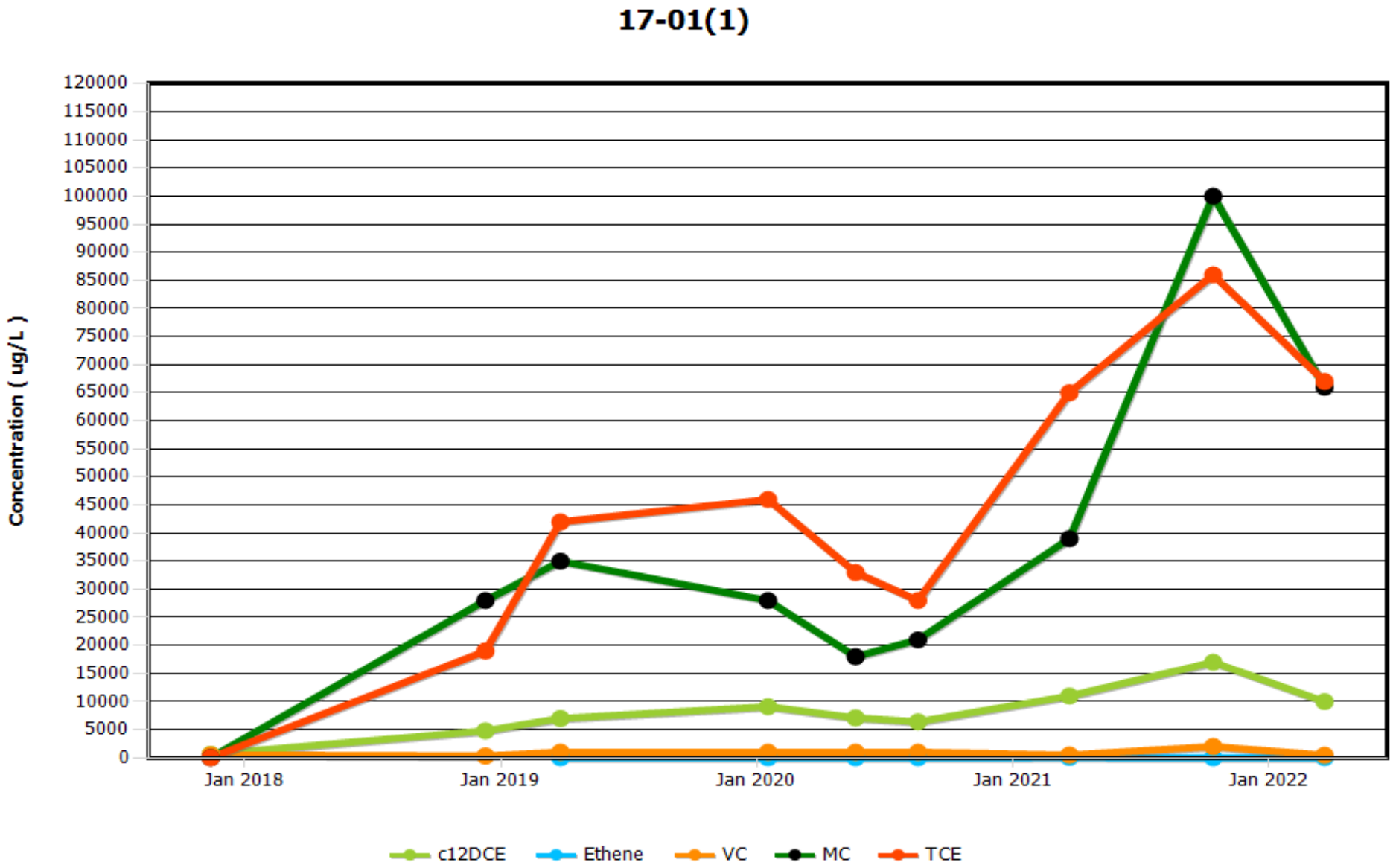
Appendix B - Graph 13

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



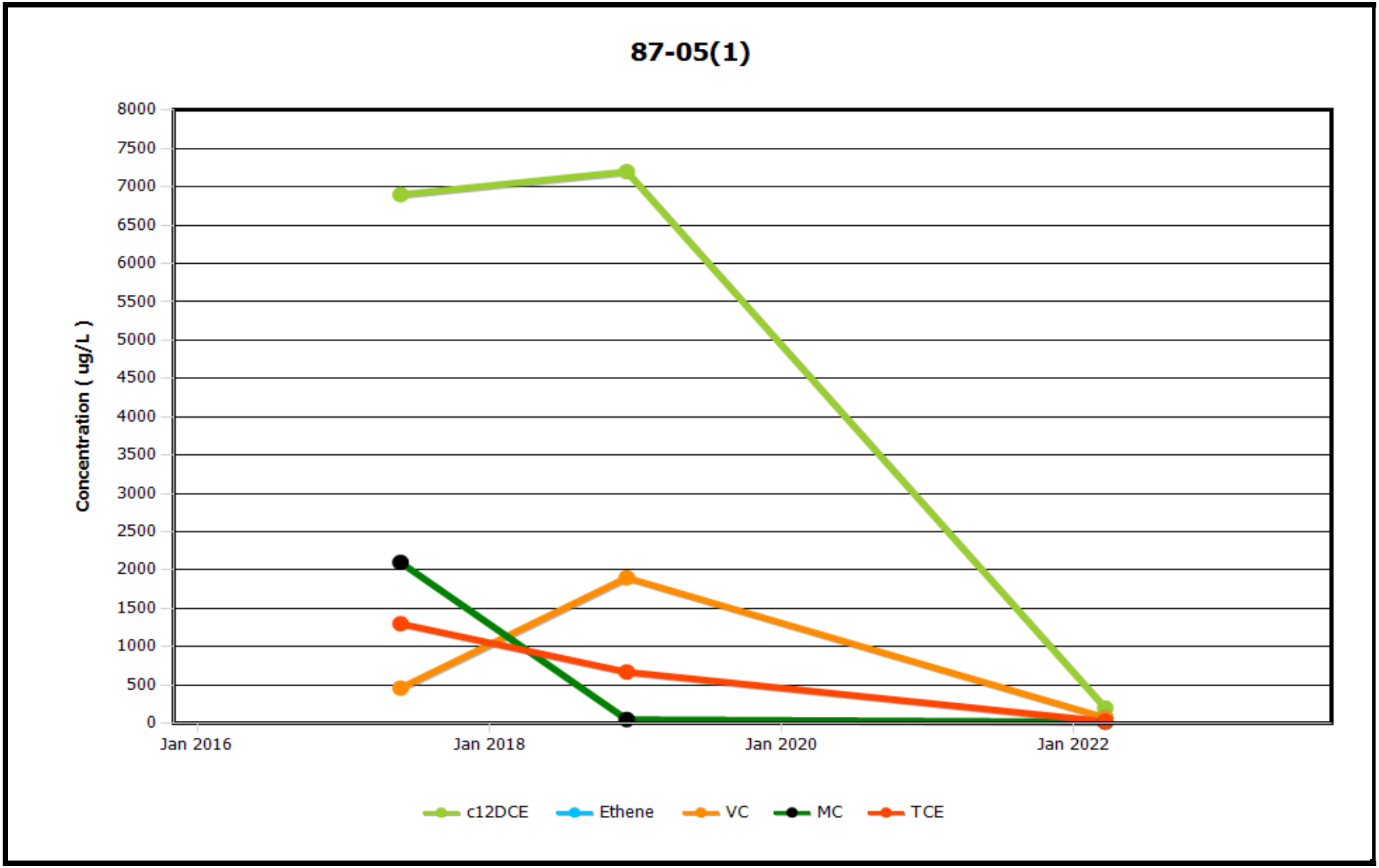
Appendix B - Graph 14

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



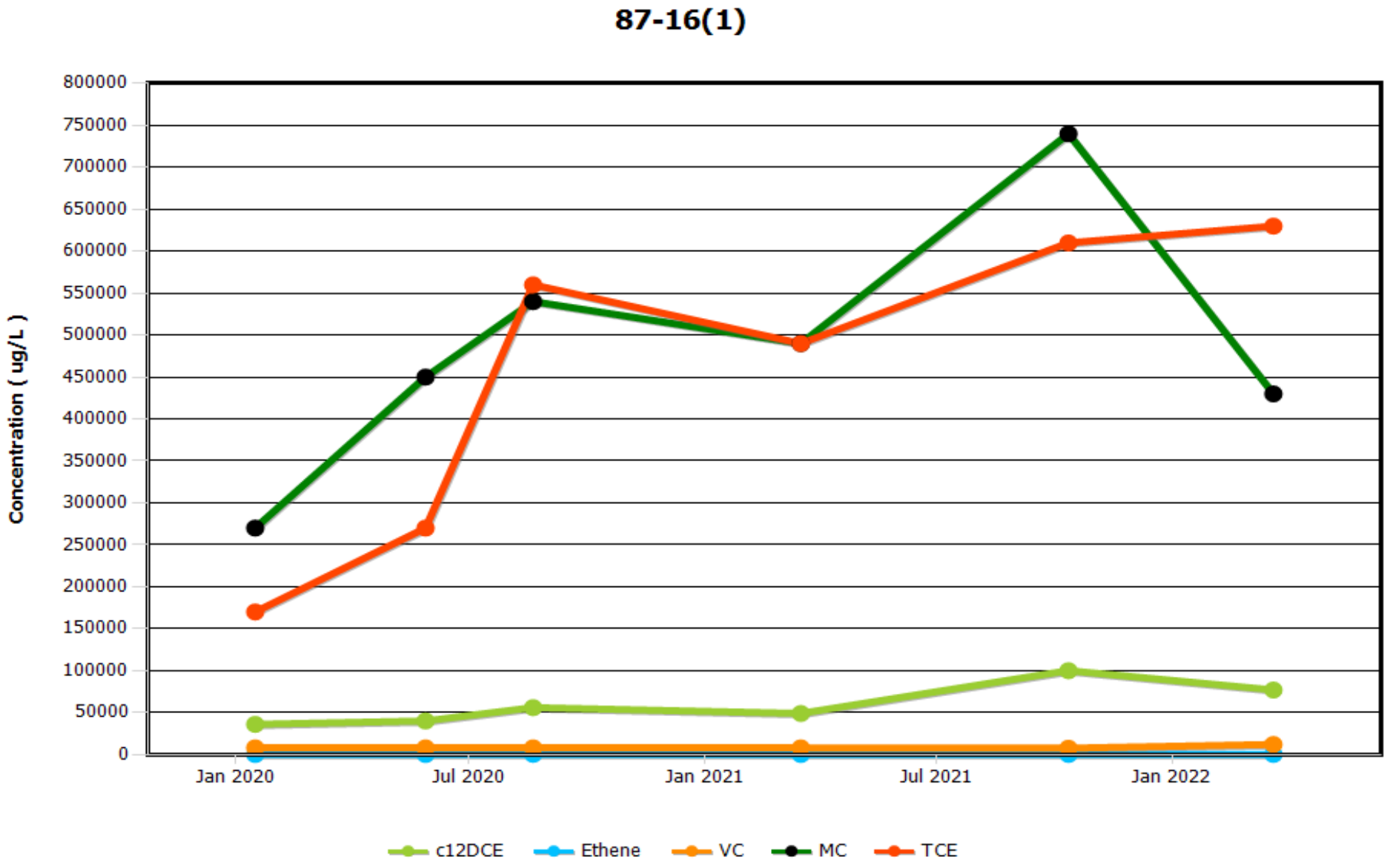
Appendix B - Graph 15

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



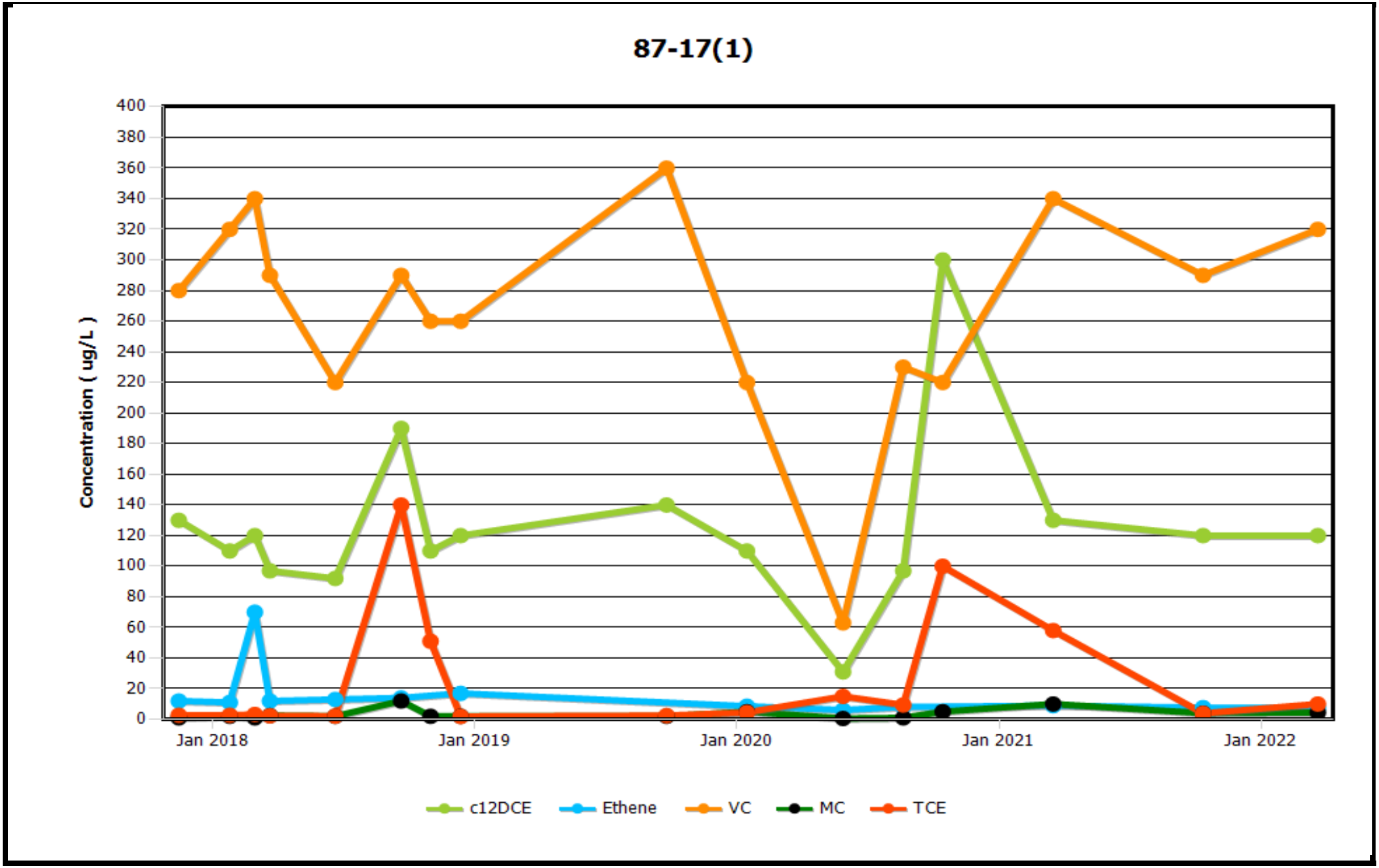
Appendix B - Graph 16

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



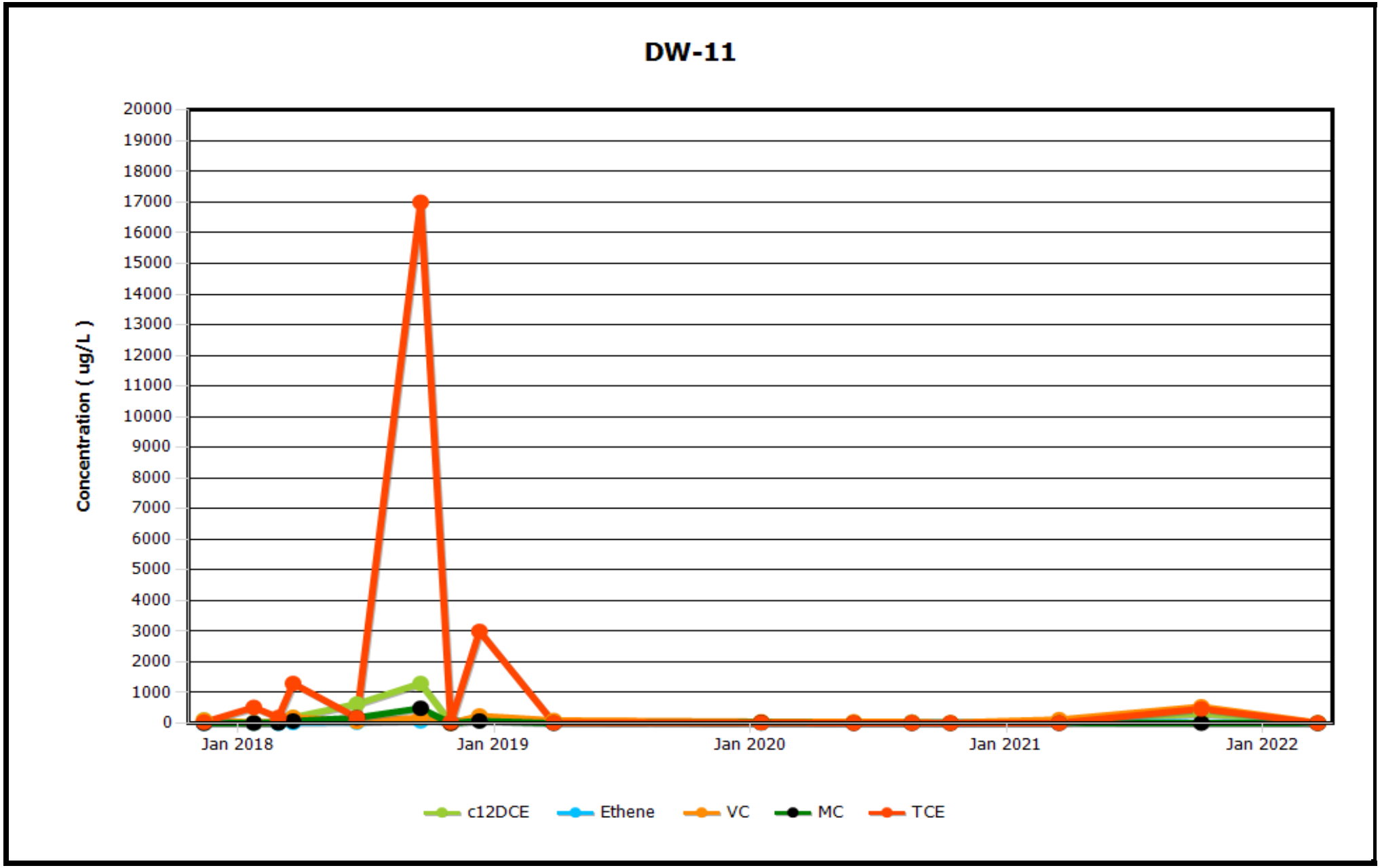
Appendix B - Graph 17

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



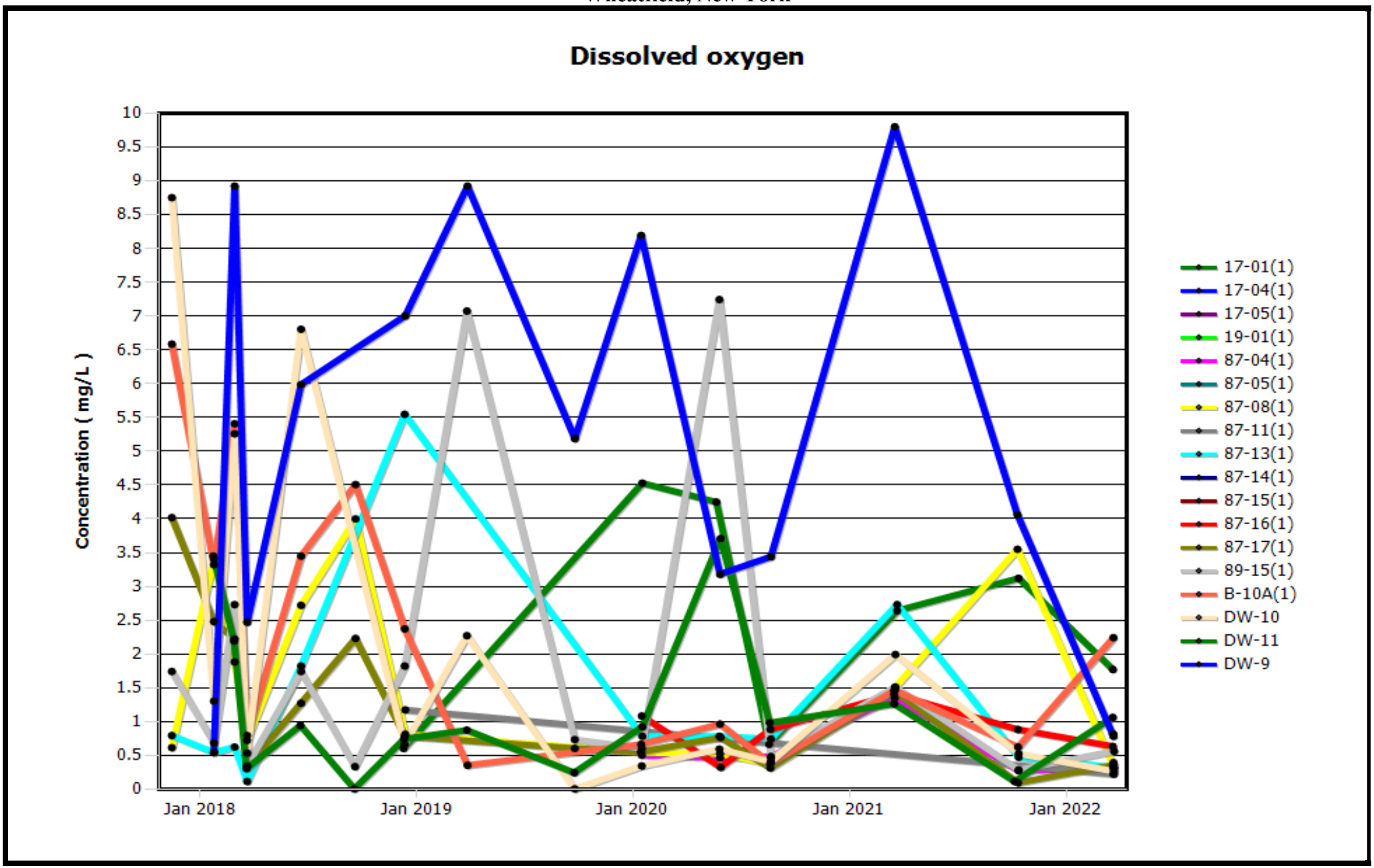
Appendix B - Graph 18

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



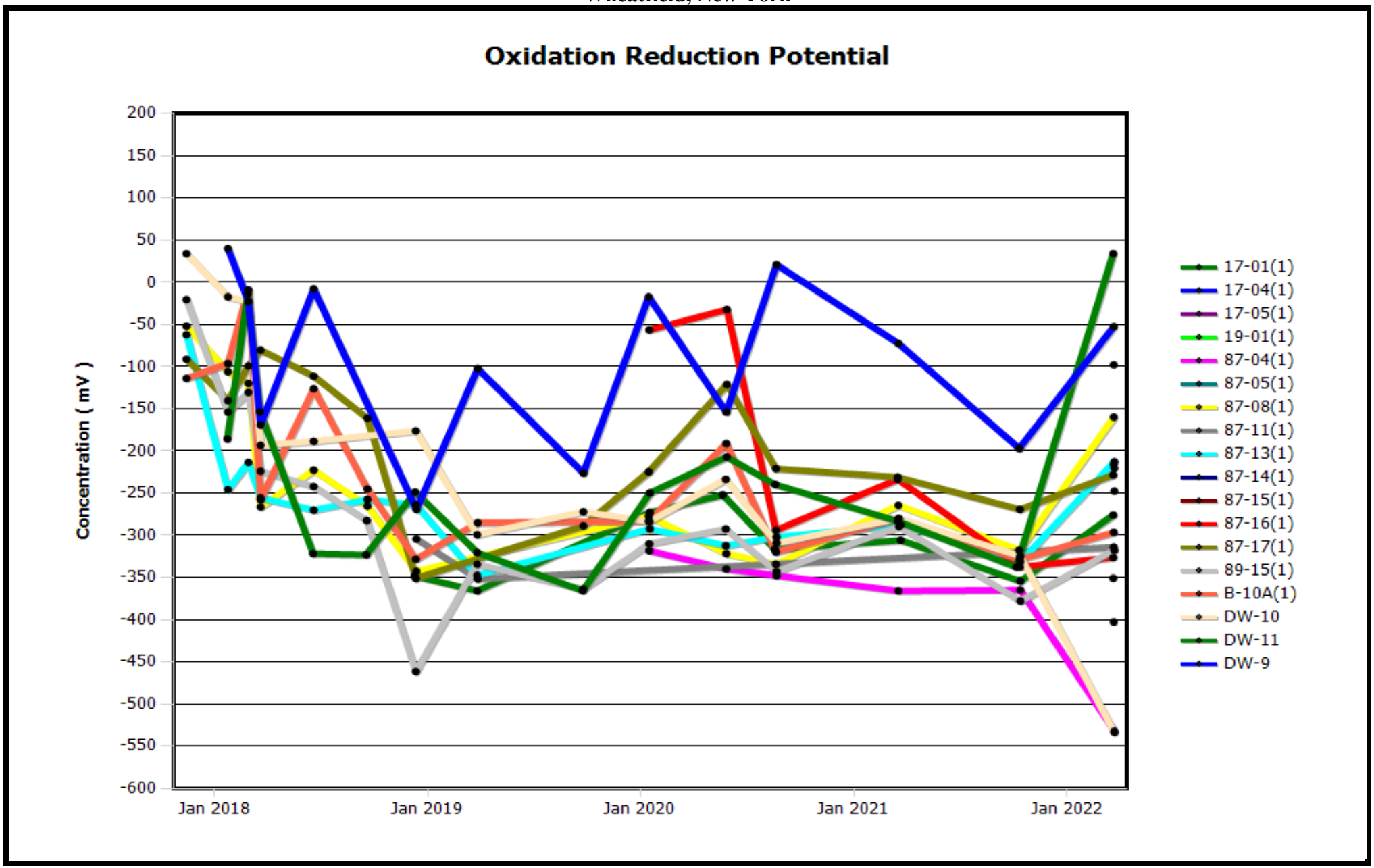
Appendix B - Graph 19

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



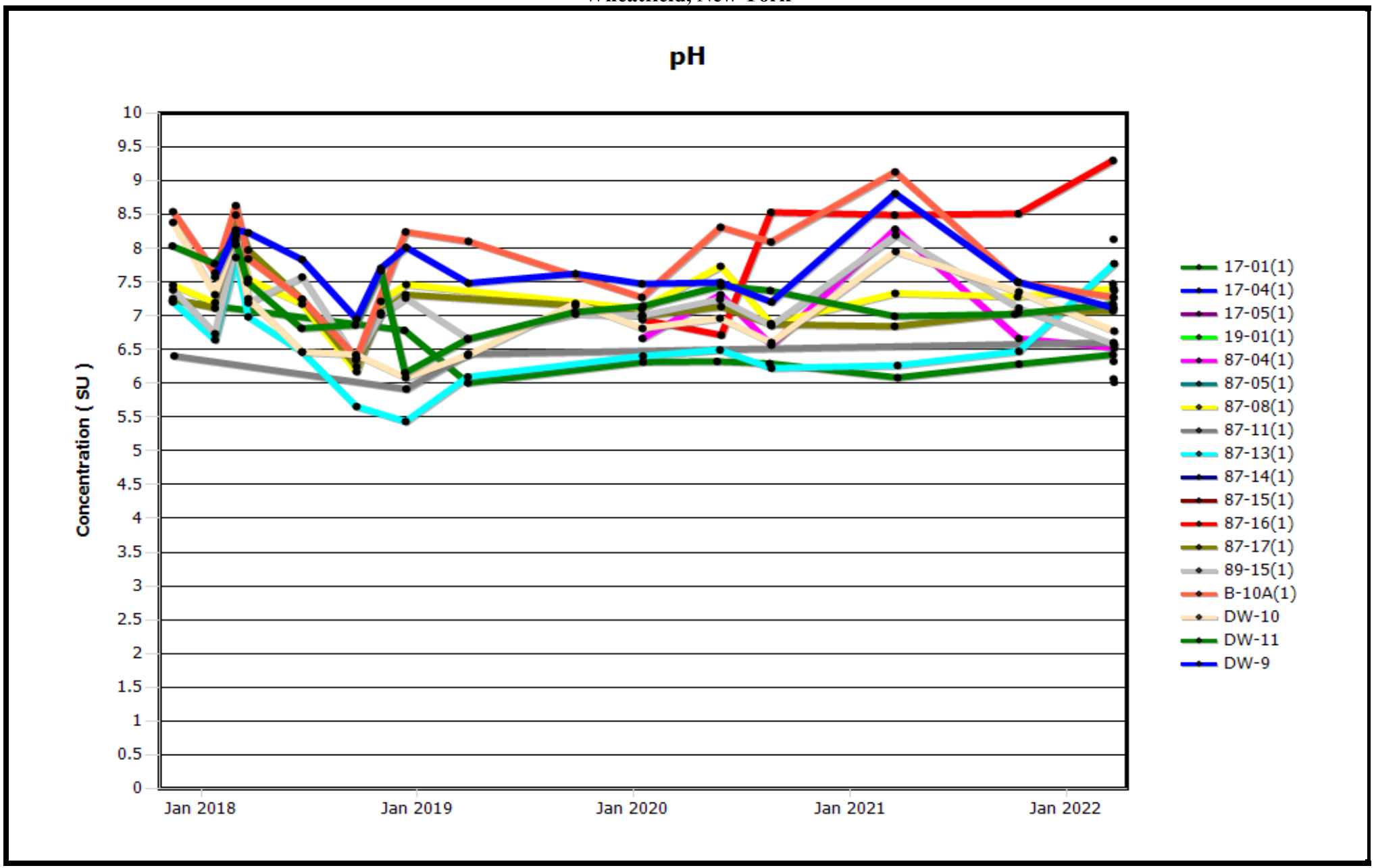
Appendix B - Graph 20

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



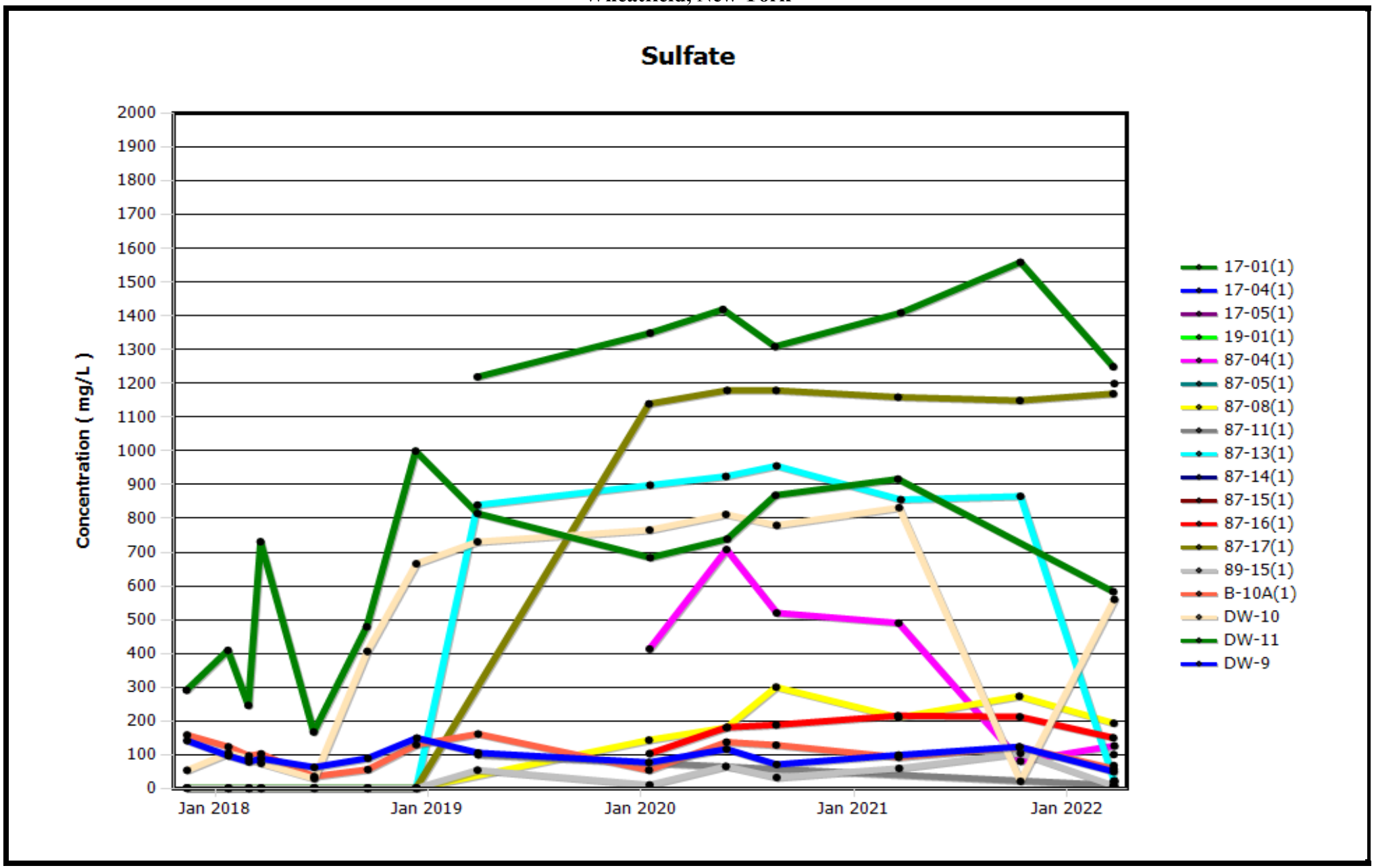
Appendix B - Graph 21

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



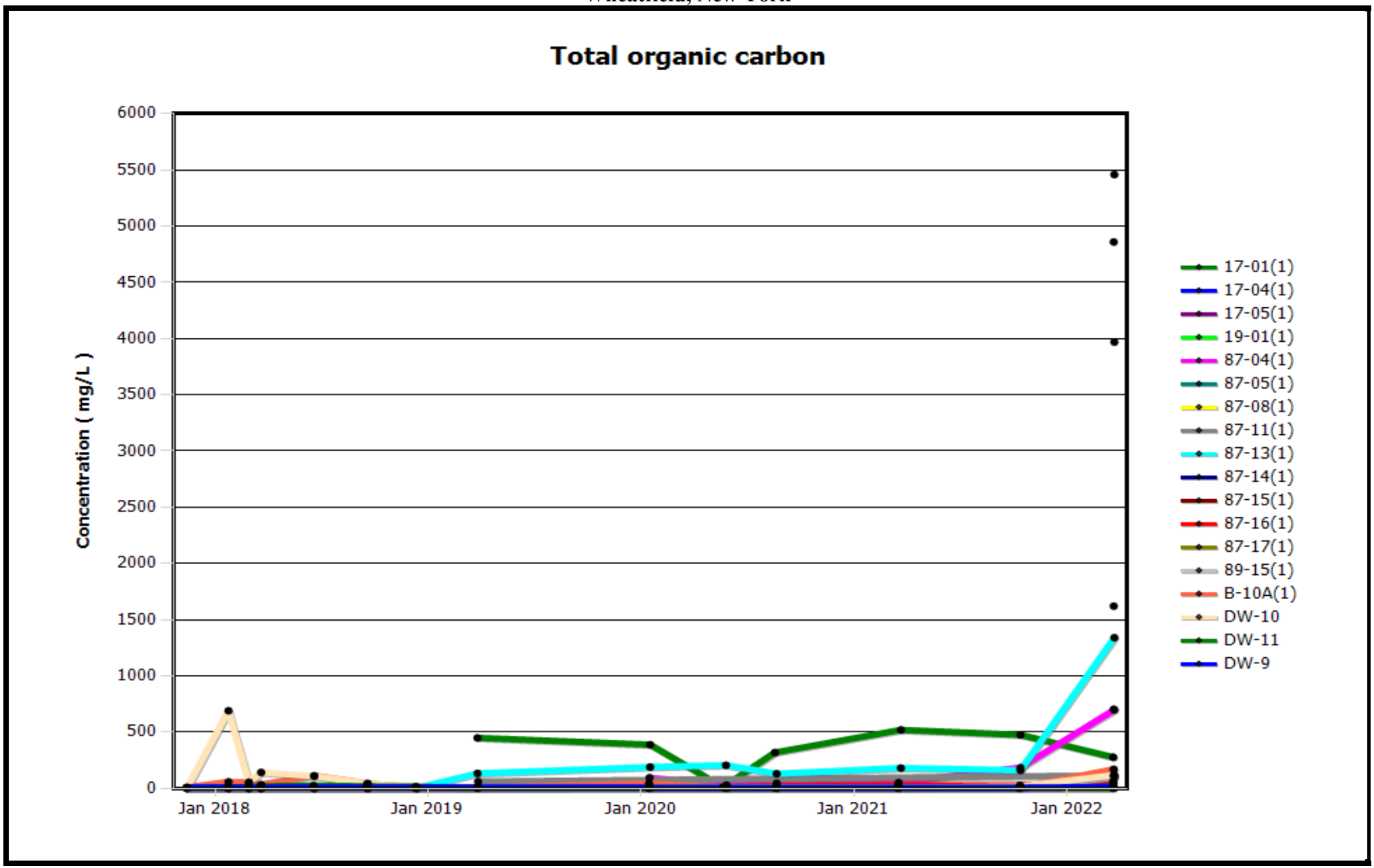
Appendix B -Graph 22

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



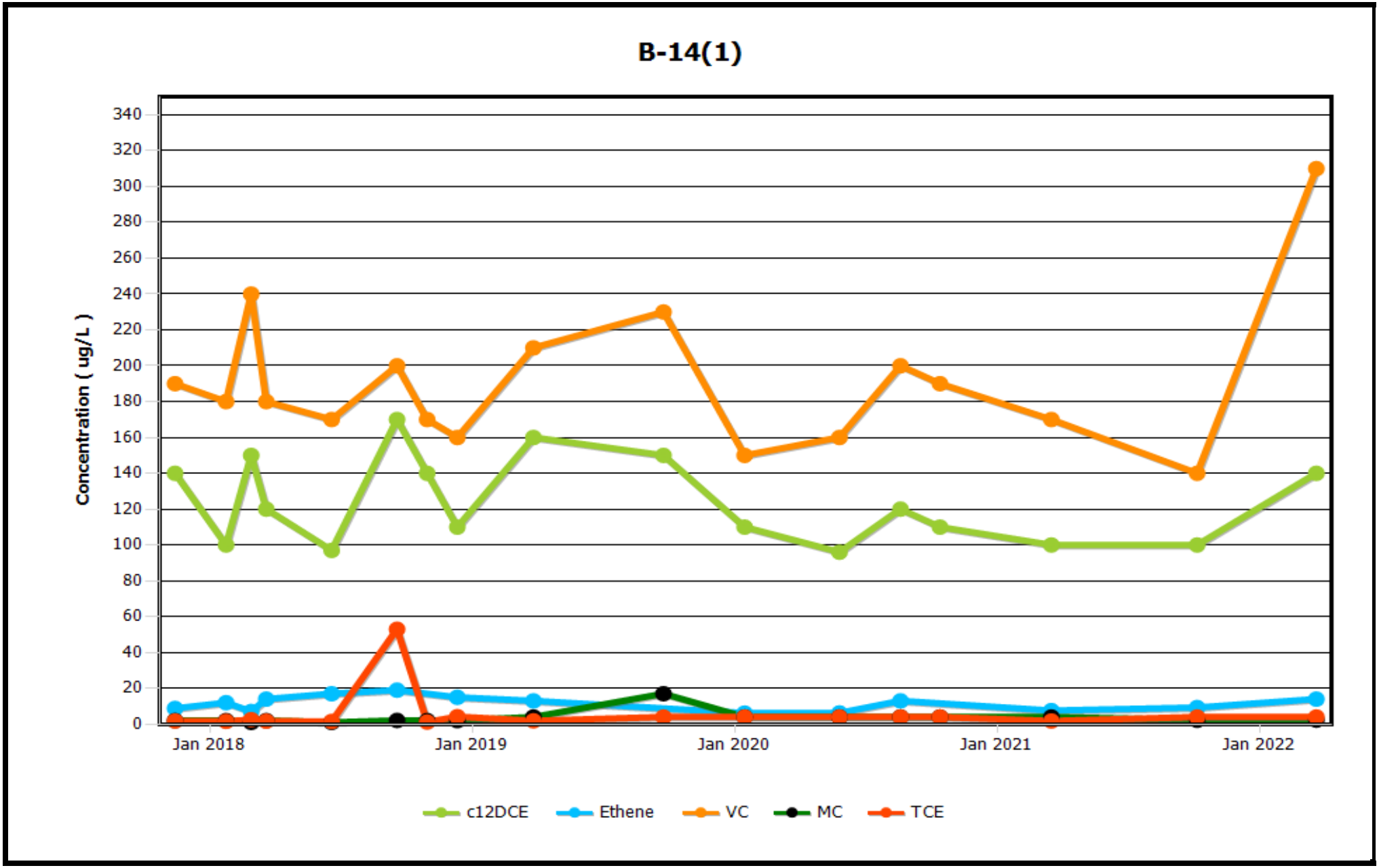
Appendix B - Graph 23

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



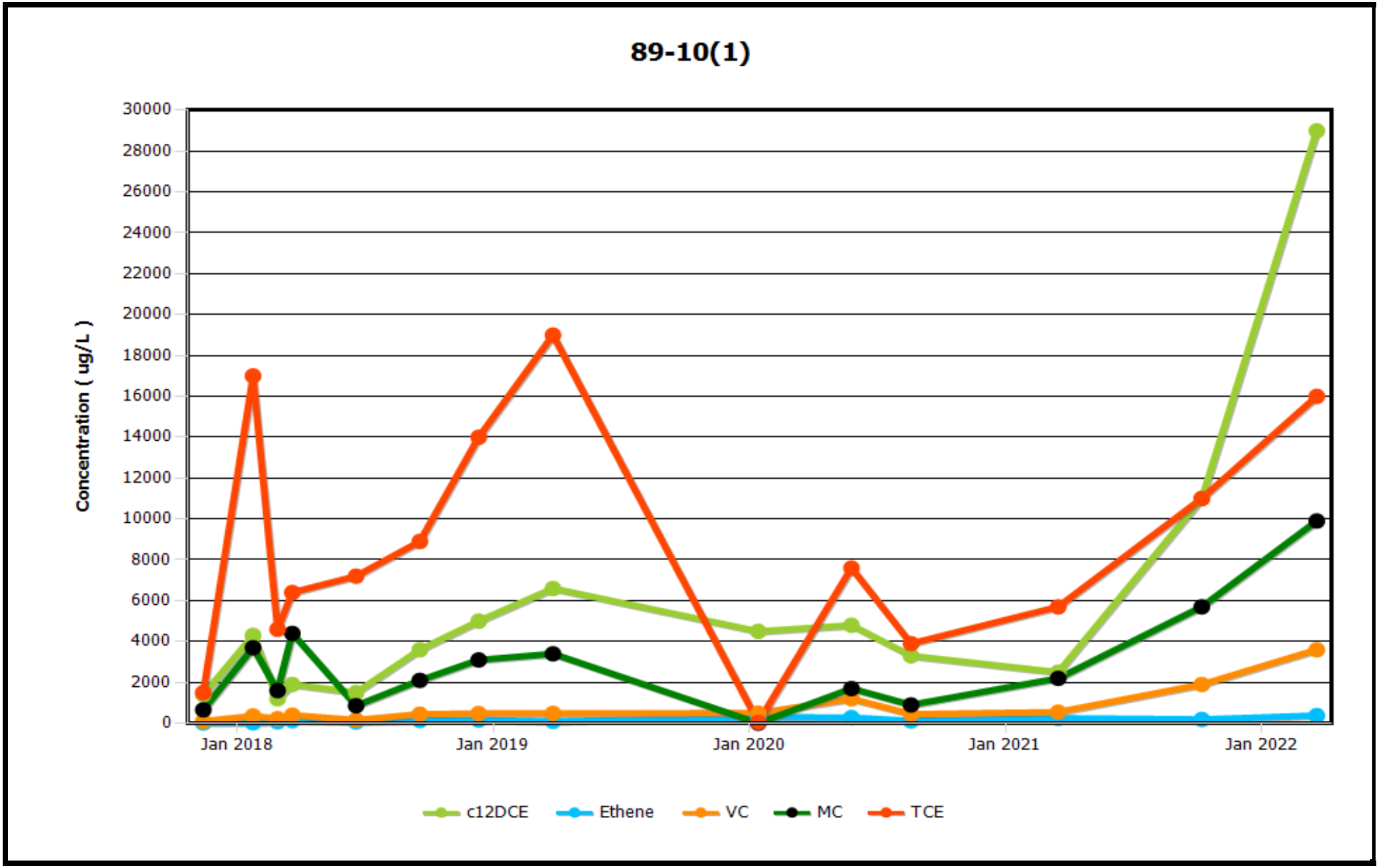
Appendix B - Graph 24

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



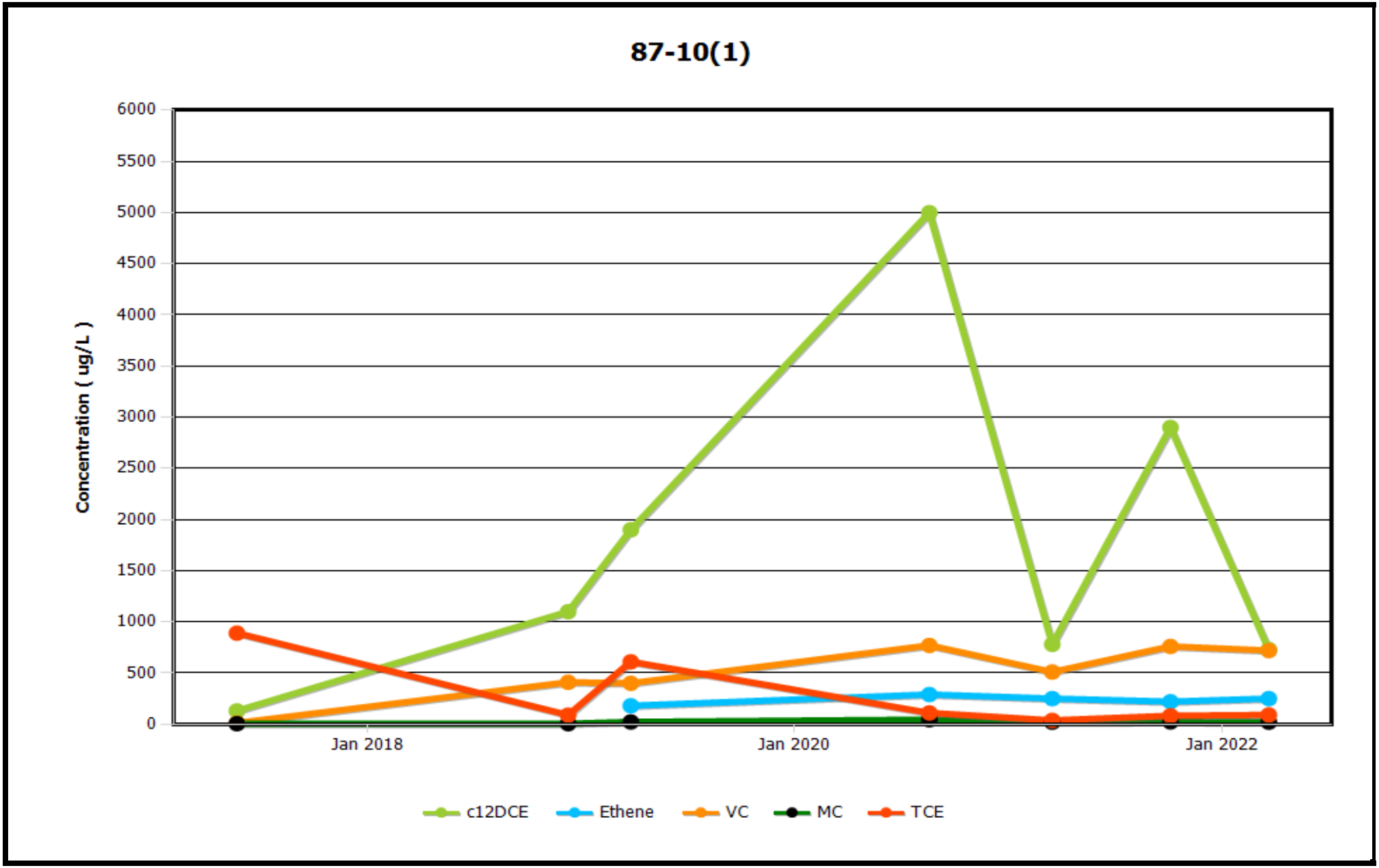
Appendix B - Graph 25

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



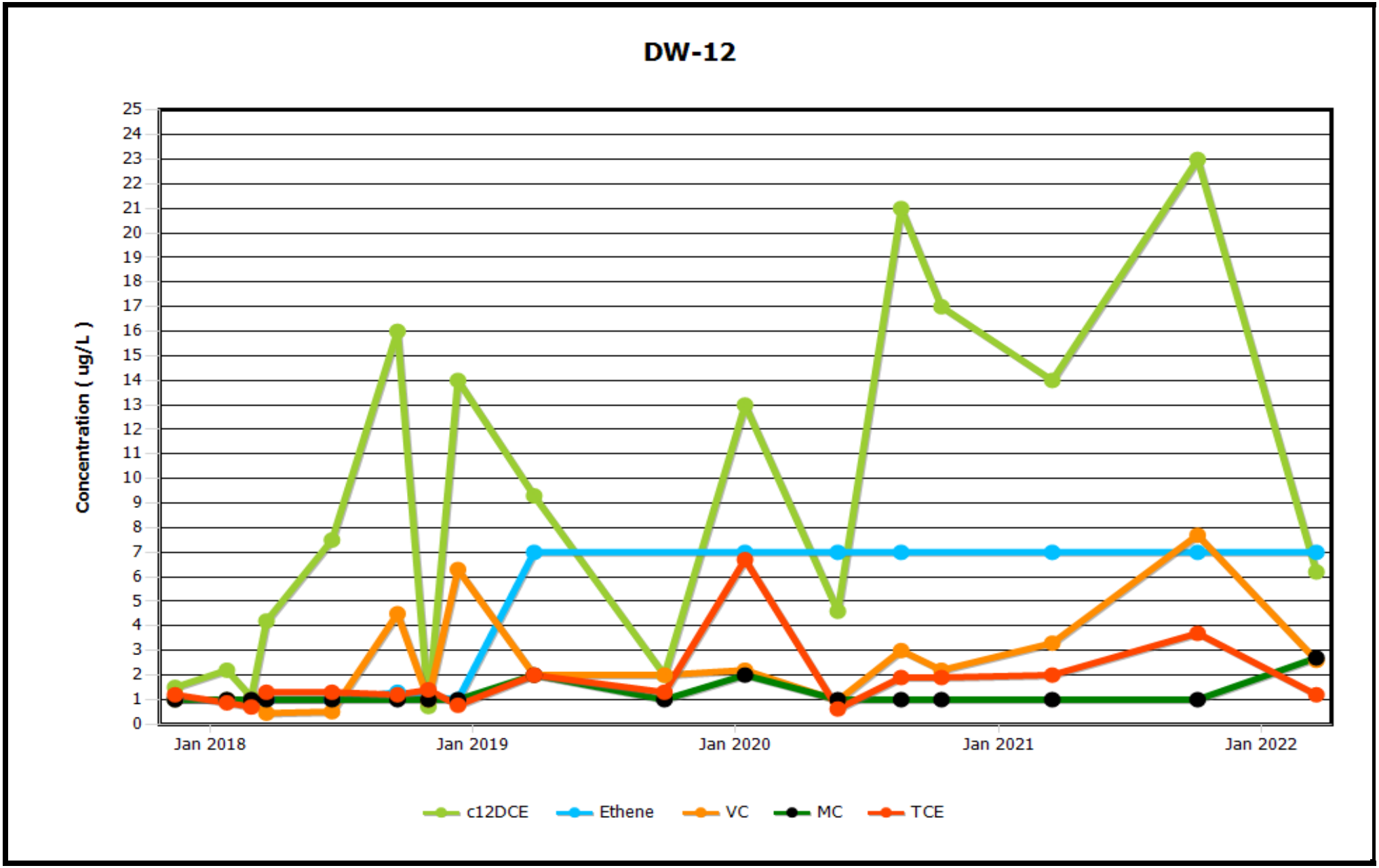
Appendix B - Graph 26

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



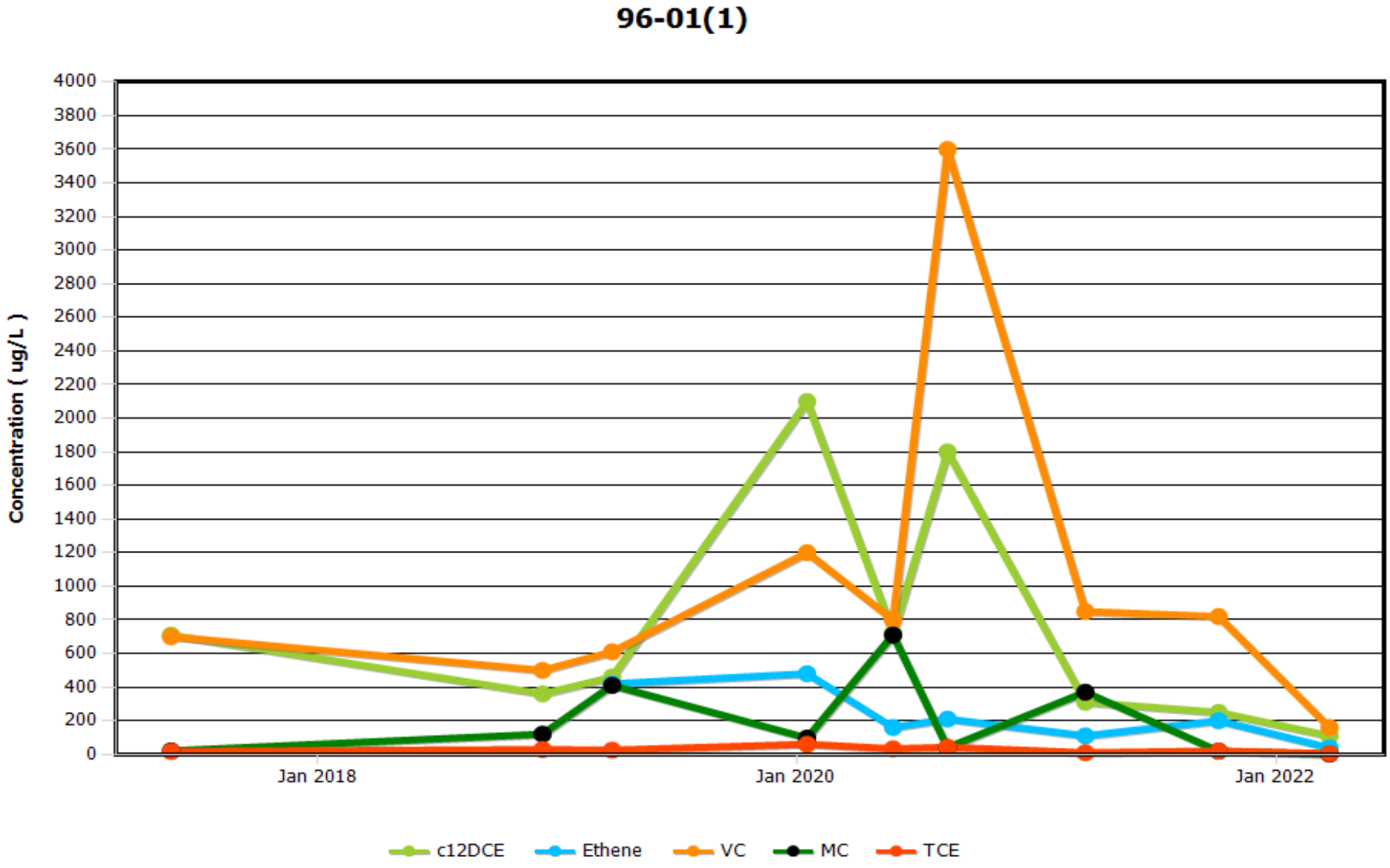
Appendix B - Graph 27

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



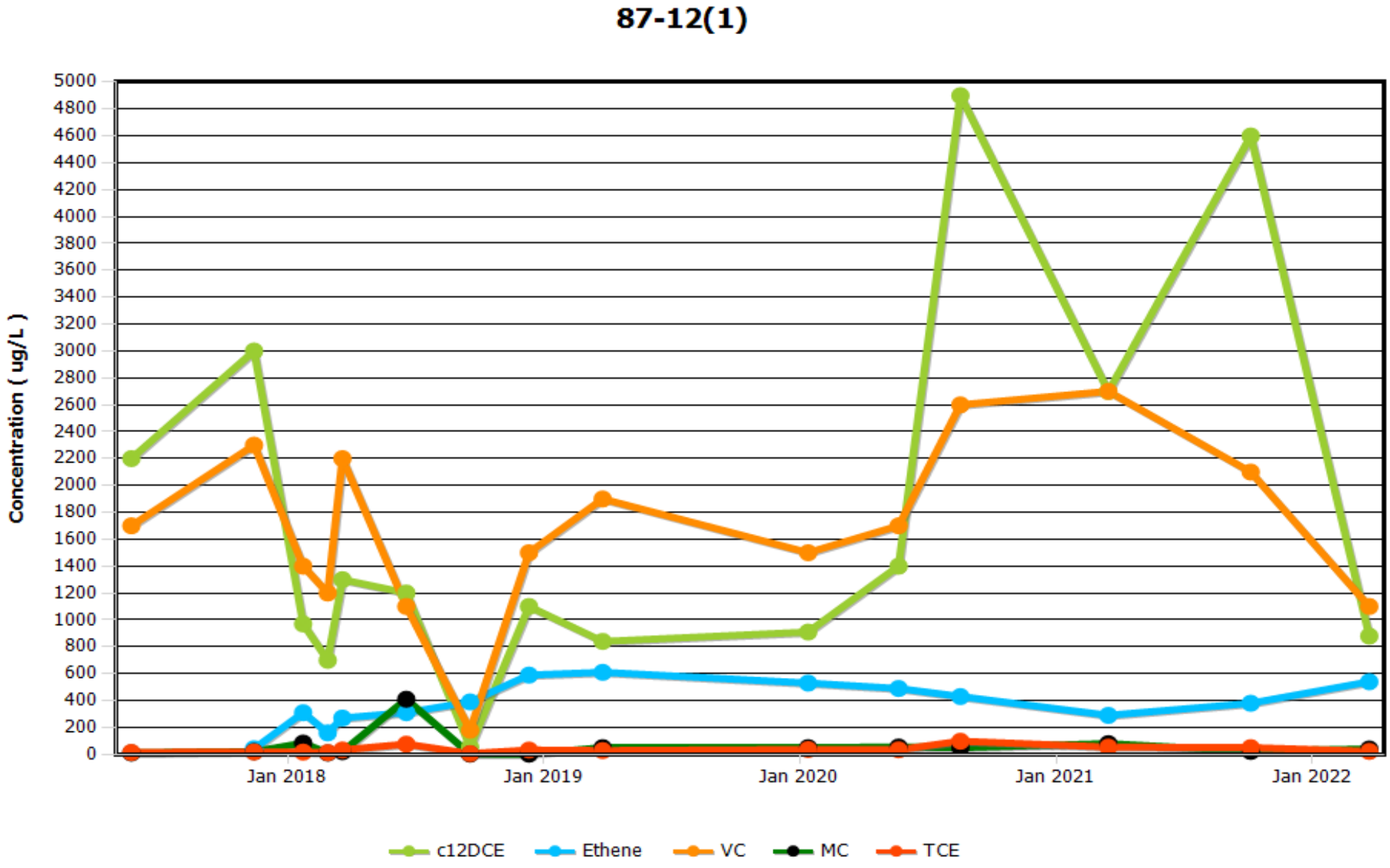
Appendix B - Graph 28

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



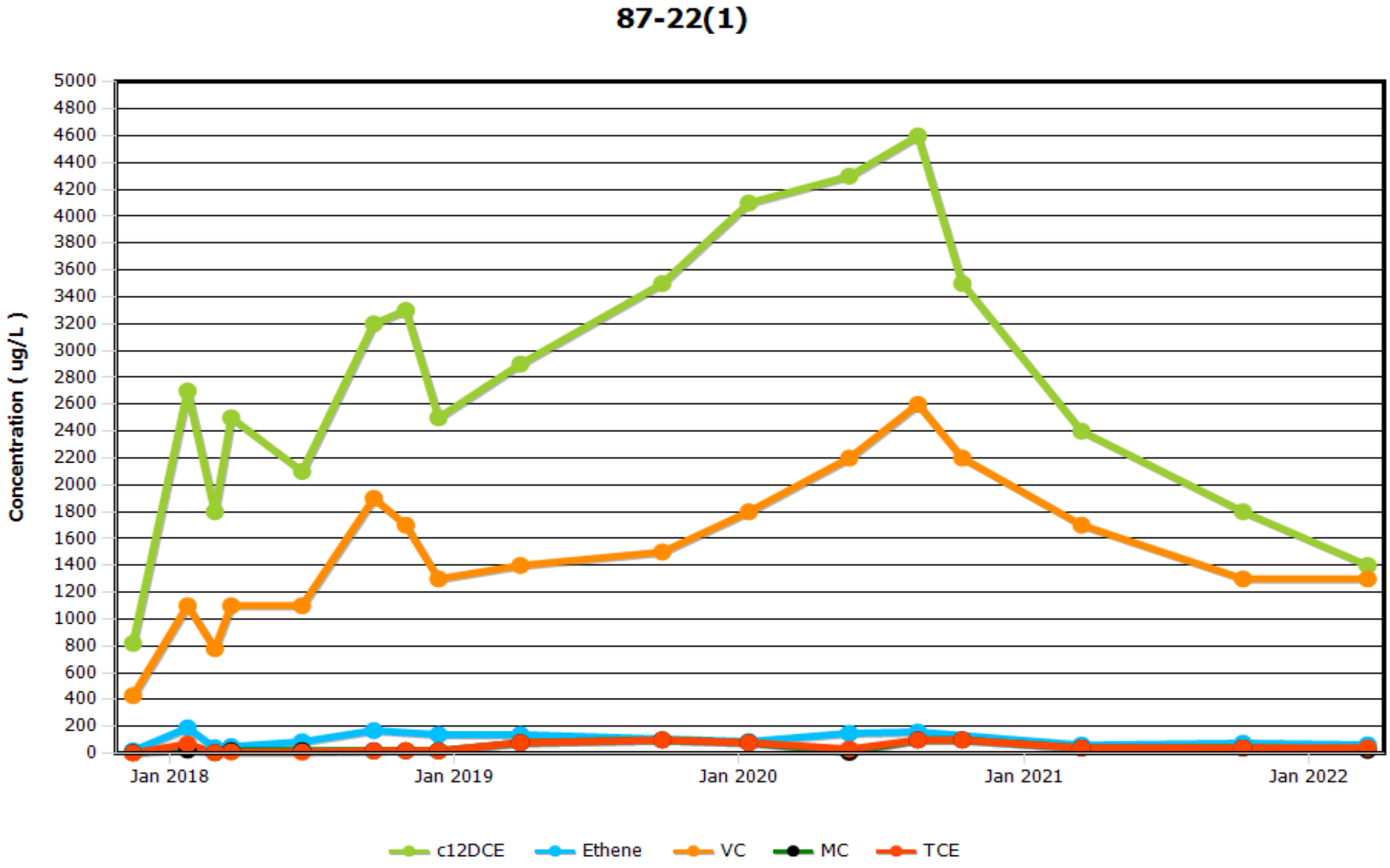
Appendix B - Graph 29

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



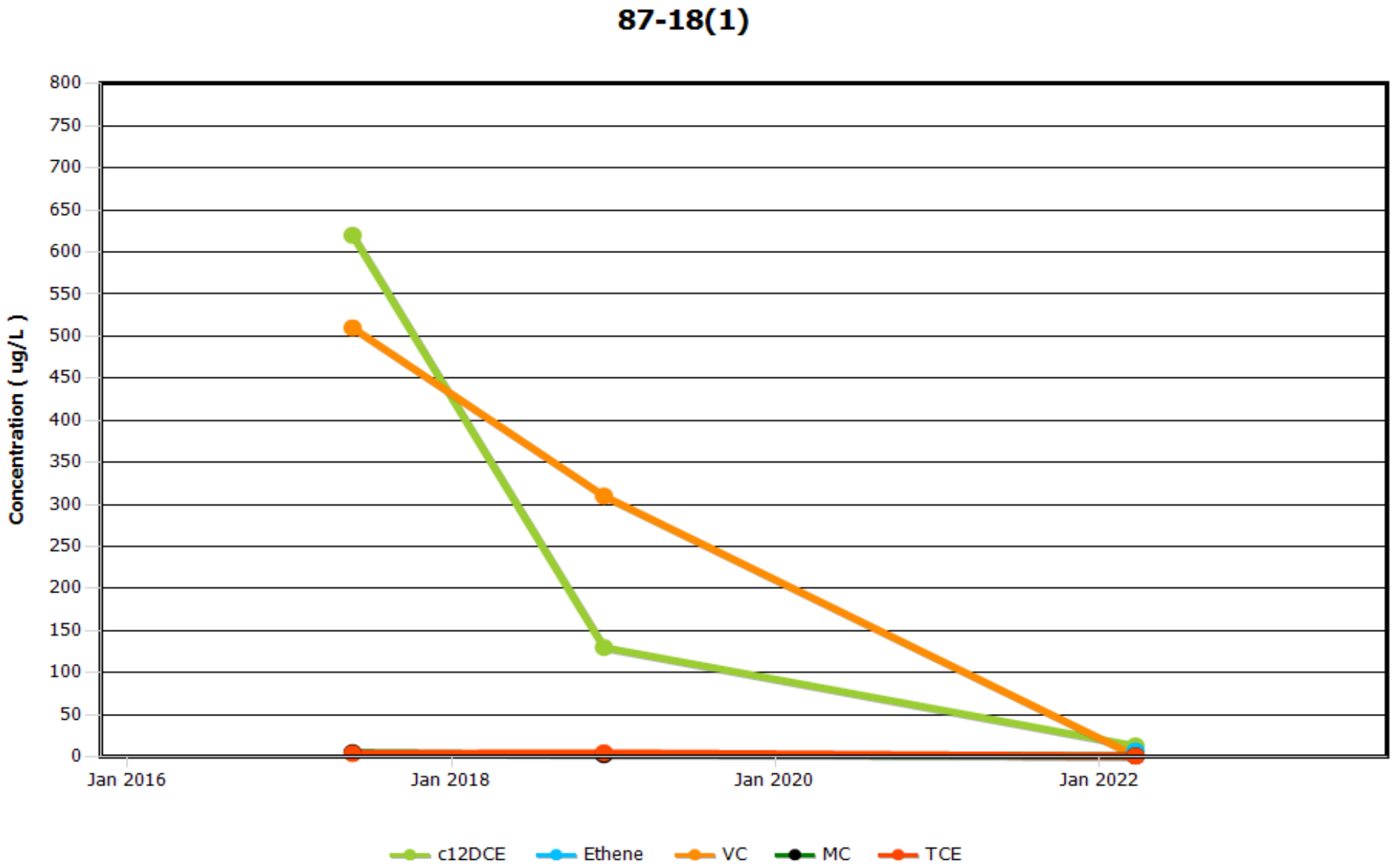
Appendix B - Graph 30

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



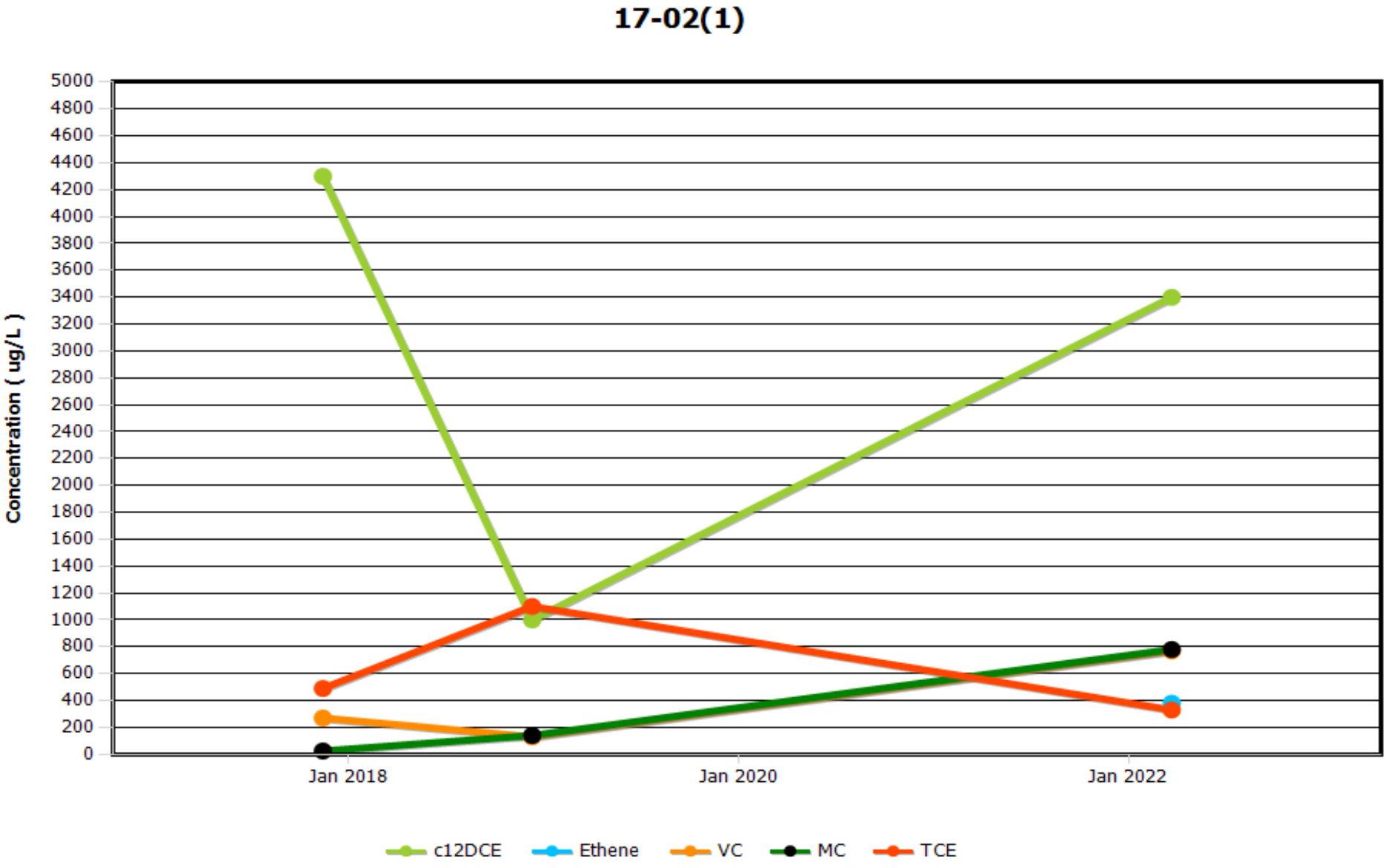
Appendix B - Graph 31

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



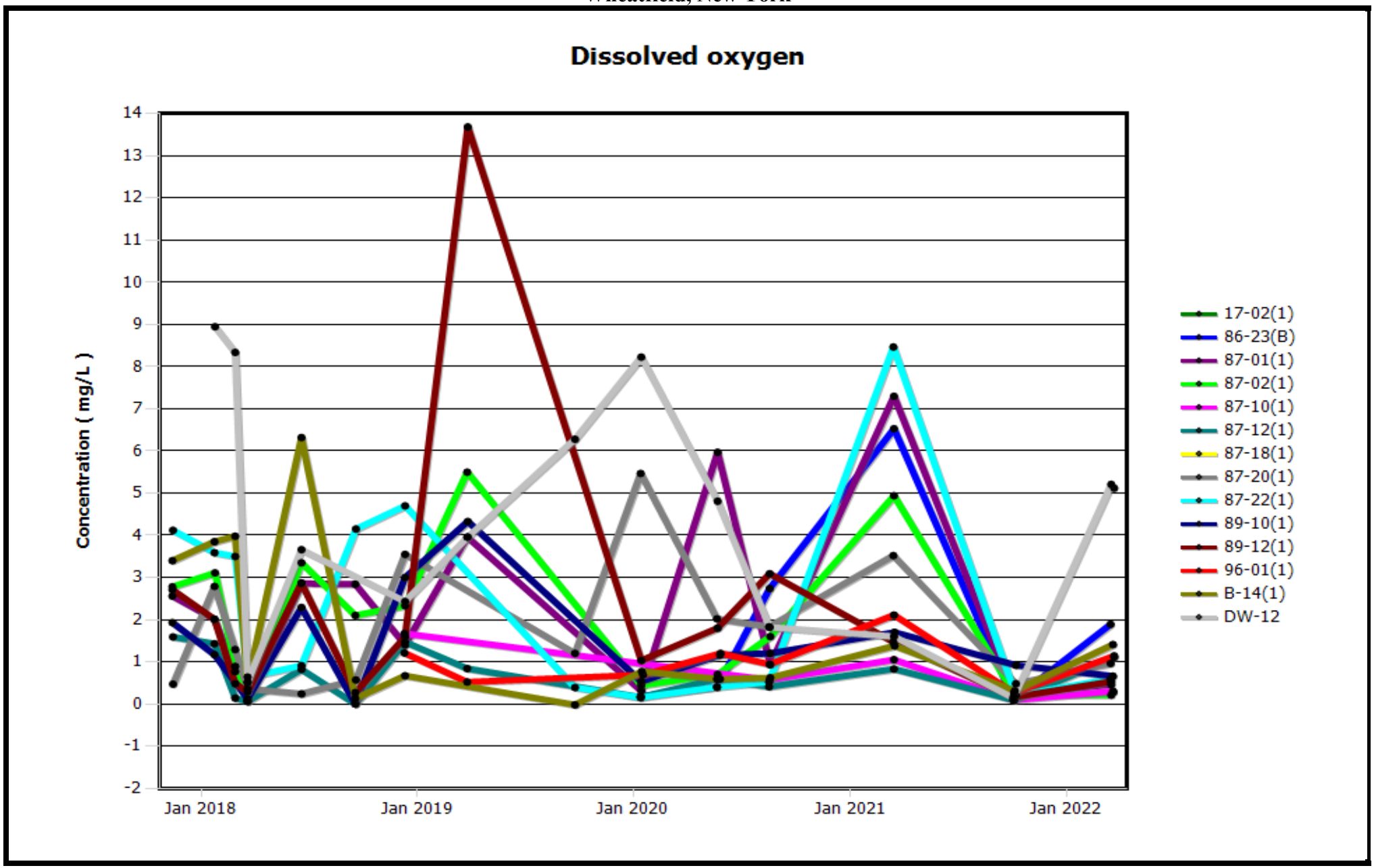
Appendix B - Graph 32

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



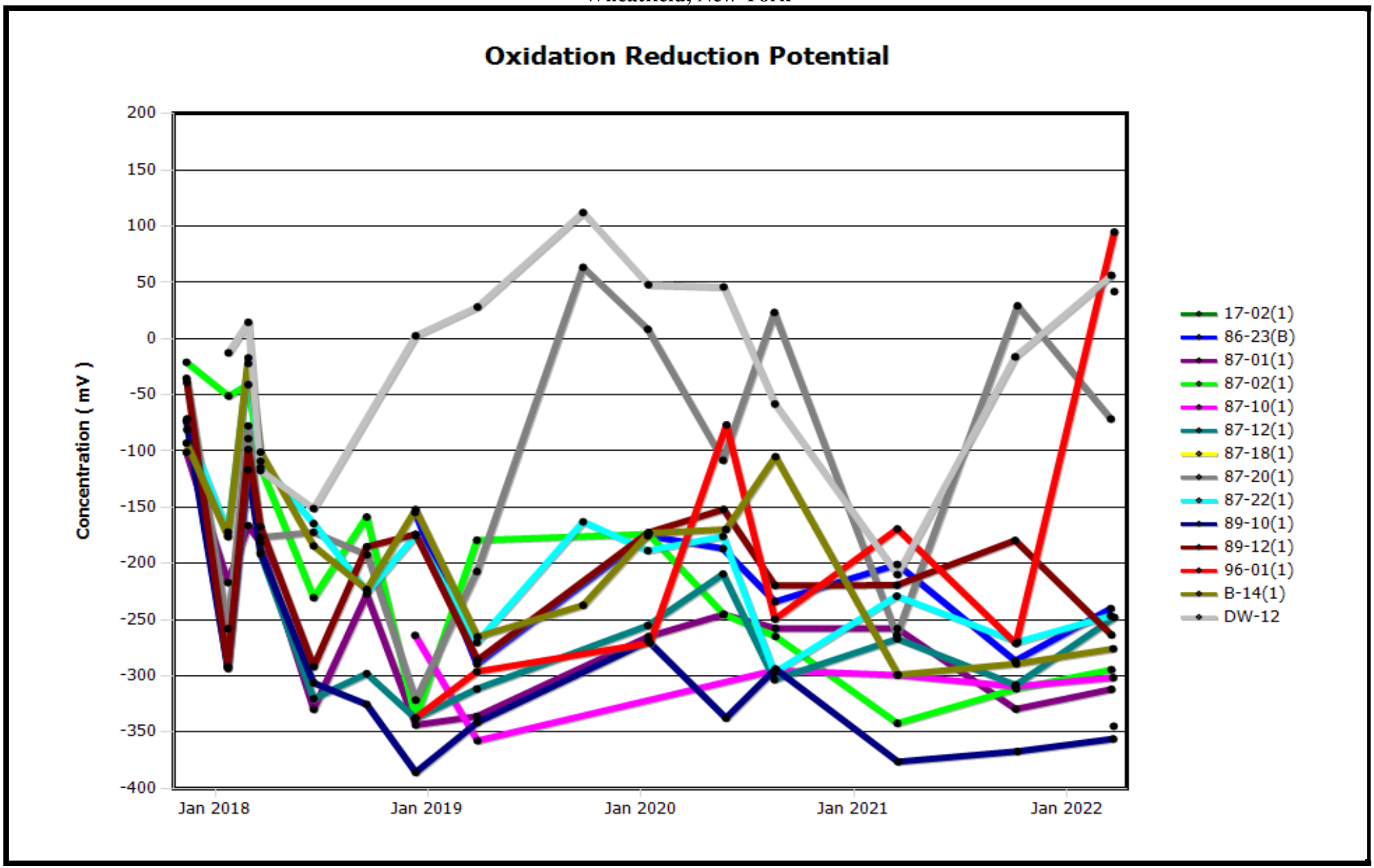
Appendix B - Graph 33

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



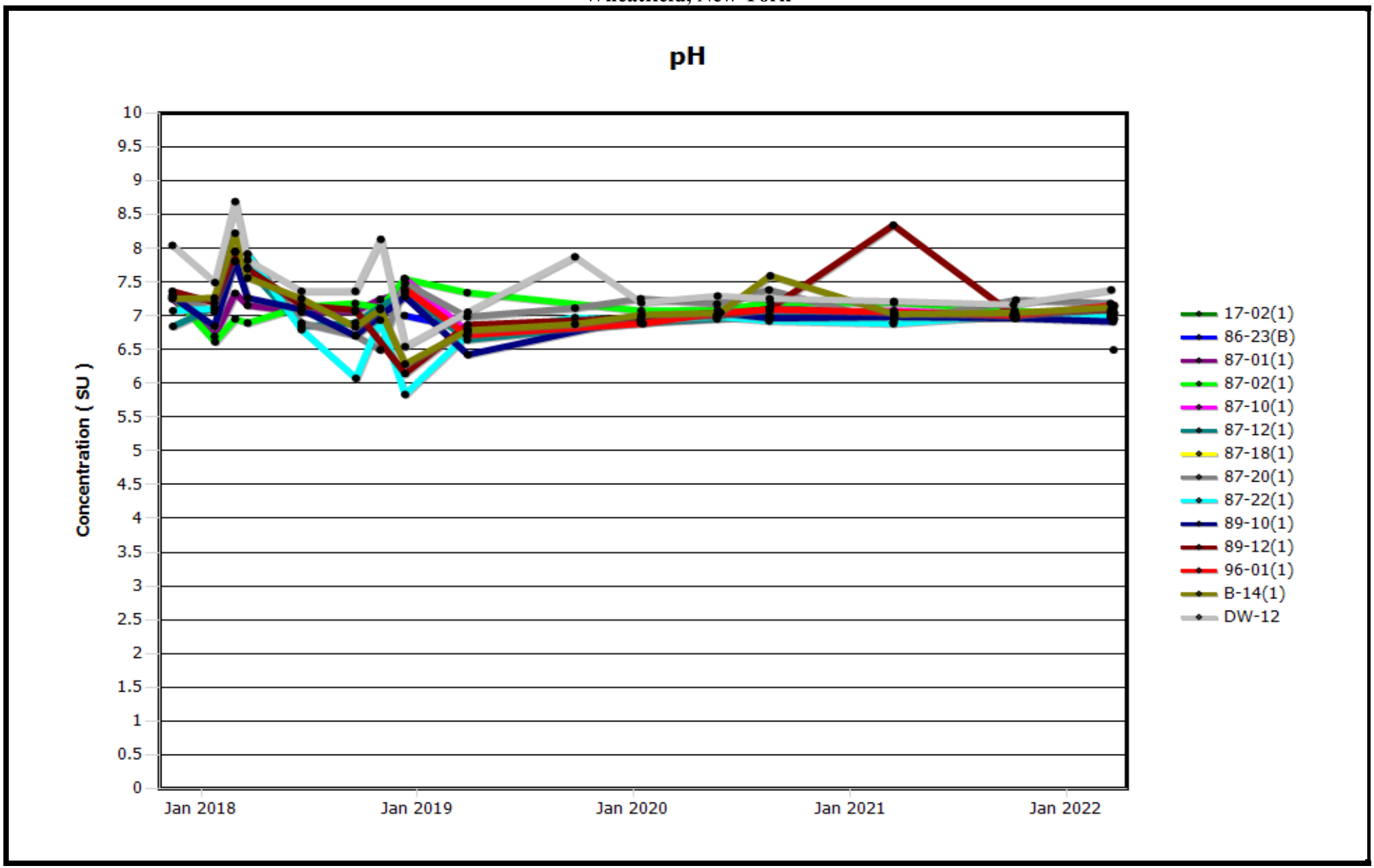
Appendix B - Graph 34

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



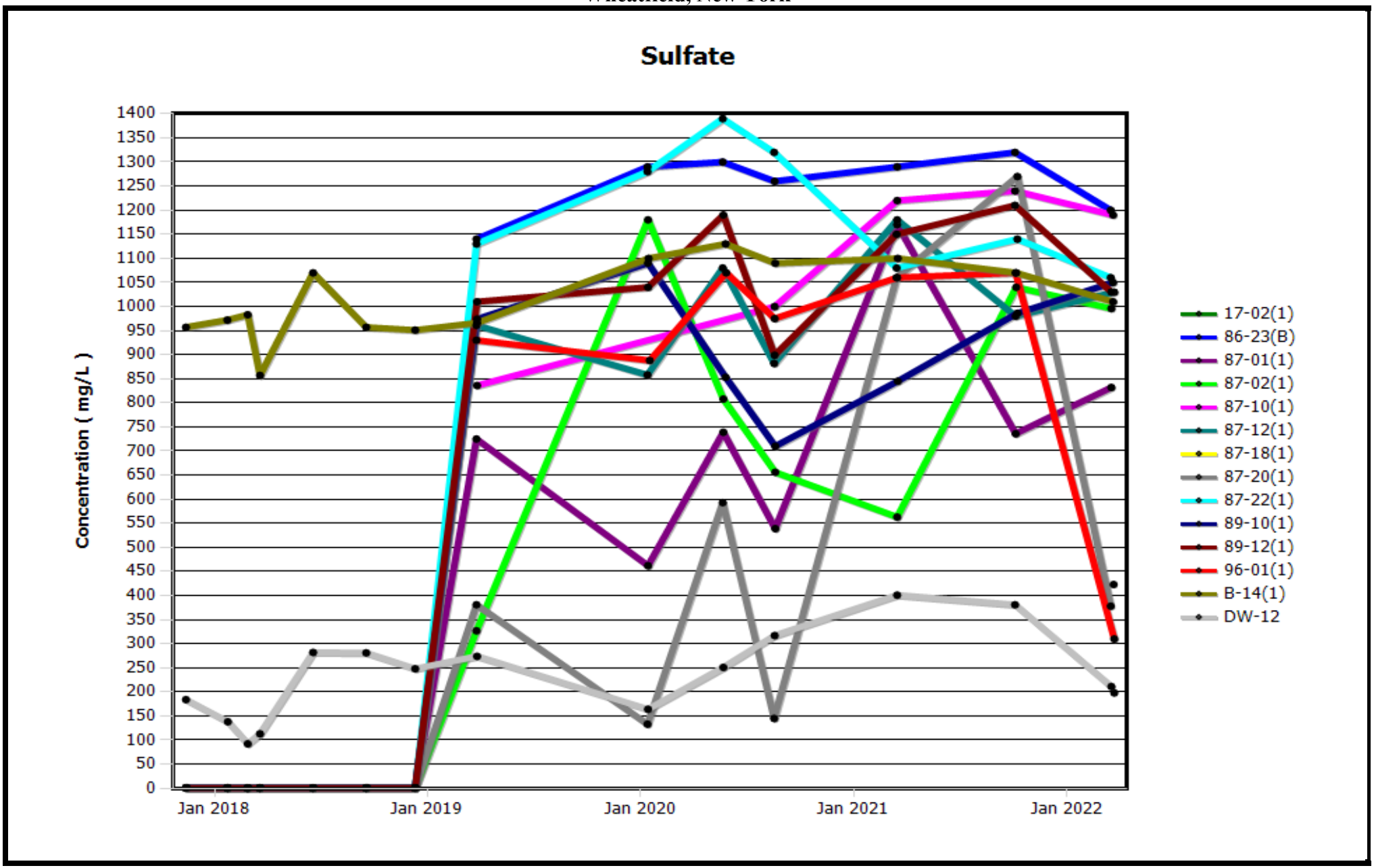
Appendix B - Graph 35

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



Appendix B - Graph 36

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York



Appendix B - Graph 37

Concentration Trends
Former Bell Aerospace Textron Inc.
Wheatfield, New York