



Via Electronic Submission

May 31, 2026

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*Re: Transmittal of Annual Post-Remediation Care Plan Report for 2025
Former York Naval Ordnance Plant, York, Pennsylvania*

Dear Mr. Rea and Ms. Koroncai:

On behalf of the Former York Naval Ordnance Plant (fYNOP) Remediation Team (Harley-Davidson Motor Company, Inc., and the U.S. Army Corps of Engineers), we are transmitting the attached Annual Post-Remediation Care Plan Report for 2025.

If you have questions regarding this report, please contact the undersigned at 717-756-1246 or coneil@verdantas.com or Ralph Golia of AMO Environmental Decisions at 267-249-0417 or rgolia@amoed.com.

Respectfully submitted,
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**ANNUAL POST-REMEDIATION CARE PLAN REPORT FOR
2025**

**Former York Naval Ordnance Plant
1425 Eden Road, Springettsbury Township
York, Pennsylvania**

Prepared for:

Former York Naval Ordnance Plant Remediation Team

May 31, 2026

Prepared by:

**Groundwater Sciences Corporation
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* - in portable document format (PDF) on the fYNOP public website at <https://yorksiteremediation.com>

LIST OF ACRONYMS AND ABBREVIATIONS

11DCA	1,1-dichloroethane
11DCE	1,1-dichloroethene
12DCA	1,2-dichloroethane
µg/L	micrograms per liter
Act 2	Land Recycling and Environmental Remediation Standards Act
AMO	AMO Environmental Decisions, Inc.
amsl	above mean sea level
AWQC	applicable water quality criteria
CFS	cubic feet per second
cis12DCE	cis-1,2-dichloroethene
COC	constituent of concern
CPA	Central Plant Area
DQA	data quality assessment
ERLC	Eden Road Logistic Center
ESP	Eastern Site Perimeter
FDRTC	Final Decision and Response to Comments
FSP	Field Sampling Plan
fYNOP	former York Naval Ordnance Plant
gpm	gallons per minute
Groundwater RA	Groundwater Human Health Risk Assessment
GSC	Groundwater Sciences Corporation
GWETS	groundwater extraction and treatment system
HTG	Hydro-Terra Group
Levee Area	Codorus Creek Levee Area
LUA	land use area
MCL	maximum contaminant level
MMRP	Military Munitions Response Program
MNA	monitored natural attenuation
MSC	medium-specific concentration
MTBE	methyl tertiary-butyl ether
NETT	North End of Test Track
NPA	North Plant Area
NPBA	Northern Property Boundary Area
NPDES	National Pollutant Discharge Elimination System
NSP	Northern Site Perimeter
O&M	operation and maintenance
PADEP	Pennsylvania Department of Environmental Protection
PCE	tetrachloroethene
PIIP	Public Information and Involvement Plan
PRCP	Post-Remediation Care Plan
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RSL	regional screening level
SCSA	South-Central Site Area

SHS	Statewide health standard
SPA	South Plume Area
SPBA	Southern Property Boundary Area
SRBC	Susquehanna River Basin Commission
SSS	site-specific standard
TCA	1,1,1-trichloroethane
TCE	trichloroethene
TI	Technical Impracticability
UCL95	95 percent upper confidence limit
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
VC	vinyl chloride
VOC	volatile organic compound
WPL	West Parking Lot

1 INTRODUCTION

This annual Post-Remediation Care Plan (PRCP) Report documents activities performed in January through December 2025 for the former York Naval Ordnance Plant (fYNOP or Site) (**Figure 1.0-1**). These activities fulfill requirements under the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2), the Resource Conservation and Recovery Act (RCRA), and the United States Environmental Protection Agency (USEPA) Final Decision and Response to Comments (FDRTC) (USEPA, 2020).

1.1 Regulatory Framework

The work scope and procedures used for sampling, analysis, data evaluation, and reporting in 2025 follow guidelines in the PRCP of the Final Report (Groundwater Sciences Corporation [GSC], 2024) that was approved by the Pennsylvania Department of Environmental Protection (PADEP) and USEPA in January 2024. These activities are needed to document the performance of engineering and institutional controls in environmental covenants for the Site.

The Final Report includes activity and use limitations to be implemented through environmental covenants for the East and West Campus properties. Draft environmental covenants for East and West Campuses and a draft termination action for an existing environmental covenant for the West Campus were circulated among the parties in 2025. The final environmental covenants will be recorded following full execution.

The PRCP does not address soil contamination, munitions, or explosives of concern in the East Campus Military Munitions Response Program (MMRP) Cleanup Area shown on **Figure 1.1-1**. Separate reports will be used to document ongoing investigation and remedial activities in the East Campus MMRP Cleanup Area.

1.2 Scope of Report

Reporting requirements for PRCP items contained in this annual assessment for 2025 include the following:

- Monitoring groundwater and surface water – groundwater quality and elevations, surface water quality and flows, and Northern Property Boundary Area (NPBA) constituent of concern (COC) migration assessment.
- Monitored natural attenuation (MNA) assessment of groundwater – chemical trends and progress, comparison with regulatory standards, and recommendations for future monitoring and evaluation.
- Monitoring and maintenance of engineering controls – Site caps, West Campus vapor barrier, Southern Property Boundary Area (SPBA) groundwater extraction system, and groundwater treatment system.
- Assessment and verification of institutional controls – non-residential land use, continued non-use of groundwater, future-potential vapor intrusion, intrusive activities and waste management, and evaluation of land-use changes.
- Documentation, notification, and communication for institutional controls – documentation of maintenance, inspection, and repair activities; notifications of potential exposure to utility workers; and notification and communication with the public and other stakeholders.

This report references seven land use areas (LUAs) established in the Groundwater Human Health Risk Assessment (Groundwater RA) (Newfields, 2018). **Figure 1.2-1** illustrates the LUAs organized based on current and anticipated future land use. These LUAs contain potential receptors and exposure pathways identified in the Groundwater RA and Final Report as follows:

- LUA 1 contains the developed portion of the East Campus (Harley-Davidson Property) that includes parking lots, production buildings, roads, lawn/landscaped areas, and stormwater facilities.
- LUA 2 includes the mostly undeveloped and wooded portion of the East Campus (Harley-Davidson Property) found next to the east side of LUA 1.
- LUA 3 contains the West Campus (NP York 58 property) currently occupied by the Eden Road Logistics Center (ERLC) warehouse, the West Parking Lot (WPL), and a portion of Eden Road.
- LUA 4 includes residential areas that are found next to the north side of LUA 1 and along the north, east, and south sides of LUA 2.
- LUA 5 has developed industrial areas, U.S. Route 30, and a quarry. This broad area is located north of LUA 3, west of Codorus Creek (LUA 7), and south of LUA 1.
- LUA 6 includes mostly undeveloped areas located between the WPL (LUA 3) and Codorus Creek (LUA 7). Most of LUA 6 is zoned industrial and within a floodplain.
- LUA 7 includes a segment of Codorus Creek that is southwest, west, and northwest of LUAs 5 and 6.

2 GROUNDWATER MONITORING

This section provides information from groundwater monitoring conducted in 2025 following procedures in the PRCP. The information will be used in subsequent sections to determine whether obligations in environmental covenants are being met and includes the following:

- Groundwater elevations – used to assess direction and rate of groundwater flow, effectiveness of pumping, and flow changes from past monitoring results.
- Data from collection, sampling, and analyses of groundwater – used to monitor changes in groundwater quality, assess COC migration and compliance, and gauge MNA progress.
- SPBA groundwater quality – used to evaluate the SPBA groundwater extraction and treatment system performance.

Groundwater samples were analyzed for the project analyte list of volatile organic compounds (VOCs) in the Quality Assurance Project Plan (QAPP) (GSC, 2020) using SW-846 Method 8260D. A sample from MW-2 in the Eastern Site Perimeter (ESP) was also analyzed for total and available cyanide using USEPA Method 9014 and OIA-1677, respectively, to monitor groundwater quality in the vicinity of the former cyanide spill. The laboratory data quality assessment (DQA) for the 2025 samples indicates the analytical results were acceptable for use in this report and qualified. **Appendix A** has details of the DQA for the samples, **Appendix B** contains documentation for sampling activities, and **Appendix C** contains laboratory analytical reports for 2025 samples.

2.1 Groundwater Elevations

The fYNOP team collected groundwater elevation data from 180 wells and two surface water locations to provide information about flow gradients and performance of the groundwater extraction system. COC migration and groundwater containment analyses depend on vertical and lateral groundwater gradients and groundwater chemistry to decide whether objectives are met. **Plate 2.1-1** contains plotted water level elevations and potentiometric contours from September 23, 2025. **Table 2.1-1** contains water level measurement locations, measurement points of reference, and calculated water level elevations for the most recent four years of monitoring (2022 through 2025).

As shown on **Plate 2.1-1**, the Site shallow groundwater gradient slopes west-southwest toward Codorus Creek from a groundwater elevation “high” of approximately 530 feet above mean sea level (amsl) to a groundwater elevation “low” of approximately 340 feet amsl (approximating the surface water elevation in the creek). The groundwater gradient in the SPBA is southward and then southwest

from the SPBA toward U.S. Route 30. Some local variations exist within this generalized description and are discussed in Section 5 related to COC migration assessment in the NPBA and in Section 6 related to gradients developed by pumping in the SPBA. The 2025 groundwater gradients are consistent with those detailed in the Part 2 Supplemental Remedial Investigation Groundwater Report (GSC, 2018) and the Final Report (GSC, 2024).

Consistent with previously recorded annual groundwater elevations, the groundwater gradient in the sandstone bedrock aquifer beneath the eastern portion of the Site is relatively steep and the groundwater gradient in the carbonate bedrock aquifer in the western portion of the Site is relatively flat. Water levels measured in most wells in 2025 were like those measured in 2024 (**Table 2.1-1**).

Based on the September 2025 potentiometric surface contours shown on **Plate 2.1-1**, pumping of SPBA wells CW-21, CW-22, and CW-23 continued to maintain a groundwater gradient in the SPBA that slopes from off-Site wells located along Canterbury Lane toward the Site. A detailed discussion of these results is in Section 6.

Table 2.1-2 contains calculated vertical gradients from elevation data in 36 multi-level well pairs in 2025. The vertical gradients in 2025 are like those observed in 2024. Upward vertical gradients were calculated in 21 well pairs in the former Central Plant Area (CPA), Codorus Creek Levee Area (Levee Area), Eastern Landfill Area, former North End of Test Track (NETT), NPBA, SPBA, and WPL shown on **Figure 2.1-1**. Potentiometric elevations in Eastern Landfill Area well MW-67D, NPBA well MW-16D, and well pair MW-18S and MW-18D are above the ground surface. Downward vertical gradients were calculated in 16 well pairs located in the CPA, Levee Area, former NETT, former North Plant Area (NPA), NPBA, South Plume Area (SPA), SPBA, and WPL.

2.2 Groundwater Sampling and Analytical Results

In accordance with the PCRCP of the Final Report (GSC, 2024), the 2025 sampling activities consisted of collecting groundwater samples from 50 wells throughout the Site. Forty-four of the fifty wells were sampled to gauge the progress by MNA to restore the Site aquifer quality to regulatory levels. Of the 44 MNA wells, five monitoring wells immediately outside the boundary of Technical Impracticability (TI) Area 1 were also used to monitor groundwater chemistry changes near TI Area 1. The remaining MNA wells consist of three wells on Canterbury Lane, MW-2 (only well also sampled

for cyanide), and 35 wells in the NPBA, ESP, South-Central Site Area (SCSA), SPBA, SPA, Levee Area, West Side of Codorus Creek, and Northern Site Perimeter (NSP). In addition to the 44 MNA wells, the 50 well total also includes three SPBA extraction wells and three NPBA COC migration assessment wells (MW-142S/D and RW-4 (Folk)).

Most wells referenced in this report were sampled annually. However, five wells located immediately outside the boundary of TI Area 1 were sampled quarterly to assess COC migration from TI Area 1 (MW-5, MW-6, MW-88, and well pair MW-101S/D). Three extraction wells (CW-21, CW-22, and CW-23) and three monitoring wells on Canterbury Lane (MW-166, MW-167, and MW-168) were sampled quarterly to monitor performance of the SPBA groundwater extraction and treatment system. MNA sampling and analysis were conducted annually.

Table 2.2-1 shows the results of VOC analysis of groundwater samples from wells outside the TI Area boundaries from 2013 through 2025. **Table 2.2-2** includes VOC analytical data for wells located inside the TI Area 2 boundary in 2025. **Table 2.2-3** contains analytical results for total and available cyanide from a sample from MW-2 in 2025. The tables include USEPA Maximum Contaminant Levels (MCLs), USEPA Regional Screening Levels (RSLs), and PADEP residential and non-residential Statewide health standard (SHS) medium-specific concentrations (MSCs) for comparison. **Figure 2.2-1** and **Plate 2.1-2** show well locations where samples were collected in 2025. **Table 2.2-4** provides physical information for the wells (type, depth, construction, geology, and location). Groundwater sampling and analytical procedures are described in the Field Sampling Plan (FSP) (GSC, 2012) and the QAPP (GSC, 2020). The following sections describe the groundwater sampling and analytical results for the perimeter of TI Area 1, MNA areas, and SPBA.

2.2.1 TI Area 1 Perimeter Sampling and Analytical Results

Quarterly groundwater monitoring was conducted in 2025 per Section 4.4.4 of the PRCP to assess groundwater chemistry around the boundary of TI Area 1. Groundwater quality measured in samples from these wells was also used to gauge MNA in this area of the Site, as discussed in Section 4. Groundwater samples for VOC analysis were collected from monitoring wells MW-5, MW-6, MW-88, and MW-101S/D (**Figure 2.2-1**).

Groundwater from wells MW-5, MW-6, MW-88, MW-101S, and MW-101D contains trichloroethene (TCE), tetrachloroethene (PCE), and cis-1,2-dichloroethene (cis12DCE) at low levels. **Table 2.2-1** contains data that shows the highest concentrations of TCE and cis12DCE were detected in the MW-101D sample outside the southwest boundary of TI Area 1 and the highest PCE concentration was detected in groundwater from MW-88 outside the southern boundary. Analytical results for COCs in quarterly 2025 groundwater samples from the five wells are as follows:

- TCE concentrations range from undetected at 1.0 micrograms per liter ($\mu\text{g/L}$) (several samples) to 4.2 $\mu\text{g/L}$ (MW-101D);
- PCE concentrations range from undetected at 1.0 $\mu\text{g/L}$ (several samples) to 22 $\mu\text{g/L}$ (MW-88); and
- The cis12DCE concentrations range from undetected at 1.0 $\mu\text{g/L}$ (several samples) to 7.0 $\mu\text{g/L}$ (MW-101D).

Historical analytical data on **Table 2.2-1** shows that COC concentrations with the pumps off (August 2021 to present) are like those measured during WPL groundwater extraction system pumping. COC concentrations in groundwater from the wells during and after pumping are as follows:

- A maximum TCE concentration of 0.42 J $\mu\text{g/L}$ and a maximum cis12DCE concentration of 4.6 $\mu\text{g/L}$ were measured in groundwater from MW-5 during pumping. Post-pumping samples contain maximum TCE and cis12DCE concentrations of 0.47 J $\mu\text{g/L}$ and 6.0 $\mu\text{g/L}$, respectively. PCE was not detected in both pre- and post-shutdown samples from MW-5.
- In 2020 during pumping, groundwater from MW-6 contained a maximum TCE concentration of 0.21 J $\mu\text{g/L}$; no other COCs were detected in pre- or post-2021 samples from MW-6.
- Groundwater collected and analyzed from MW-88 in 2019 and 2020 during pumping contained maximum TCE and PCE concentrations of 0.35 J $\mu\text{g/L}$ and 1.0 $\mu\text{g/L}$, respectively; cis12DCE was not detected. Maximum TCE, PCE, and cis12DCE concentrations in MW-88 groundwater with the pumps not operating were 2.4 $\mu\text{g/L}$, 22 $\mu\text{g/L}$, and 1.8 $\mu\text{g/L}$, respectively.
- Maximum TCE, PCE, and cis12DCE concentrations in groundwater from MW-101D with the pumps running in 2019 and 2020 were 7.9 $\mu\text{g/L}$, 6.0 $\mu\text{g/L}$, and 12 $\mu\text{g/L}$, respectively; post-2021 sampling (pumps off) yielded maximum values for these COCs of 6.5 $\mu\text{g/L}$, 5.6 $\mu\text{g/L}$, and 13 $\mu\text{g/L}$, respectively.
- The maximum 2019 and 2020 TCE, PCE, and cis12DCE concentrations in MW-101S samples with the pumps operating were 1.2 $\mu\text{g/L}$, 5.0 $\mu\text{g/L}$, and 1.2 $\mu\text{g/L}$, respectively; maximum concentrations for the same COCs with the pumps turned off after 2021 were 0.76 J $\mu\text{g/L}$, 4.2 $\mu\text{g/L}$, and 0.7 J $\mu\text{g/L}$, respectively.

Time versus concentration graphs in **Appendix D** contain plotted analytical data for samples collected during times of pumping and non-pumping. The graphs show that COC concentrations in

groundwater from wells MW-5, MW-6, MW-88, MW-101S, and MW-101D declined to low levels during pumping and remained at or near these levels after the pumps were turned off. This shows little to no rebound in COC concentrations occurred in TI Area 1 perimeter groundwater.

2.2.2 MNA Area Sampling and Analytical Results

Per Section 4.4.2 of the PRCP, groundwater samples from 44 wells were collected between September and October 2025 to assess the progress of COC degradation in groundwater from MNA. The assessment, presented in Section 4, uses analytical data shown on **Table 2.2-1** to determine trends in COC concentrations in groundwater at each well location. Site MNA status is determined using COC trends in NPBA, ESP, SCSA, SPBA, SPA, Levee Area, West Side of Codorus Creek, and NSP groundwater.

Table 2.2-5 and **Figure 2.2-2** contain well information and sampling locations, respectively, used in the 2025 MNA evaluation for the following wells:

- NPBA – Twelve wells: MW-3, MW-9, MW-12, MW-16S, MW-18S/D, MW-20S/M, MW-143S/D, CW-1A, and CW-2;
- ESP – Three wells: MW-2, MW-14, and MW-65S;
- SCSA – Eight wells: MW-67S/D, MW-69, MW-79, MW-88, MW-111, MW-112, and MW-115;
- SPBA – Seven wells: MW-22, MW-165, MW-108S/D, MW-166, MW-167, and MW-168;
- SPA – Six wells: MW-43D, MW-12 (Cole Steel), MW-150, GM-1D, Cole D, and MW-110;
- Levee Area – Two wells: MW-101S and MW-101D;
- West Side of Codorus Creek – Two wells: Waterloo™ multilevel well MW-148A (two sample ports); and
- NSP – Four wells: MW-5, MW-6, MW-82, and MW-186.

Analytical results for detected COCs in the 2025 annual groundwater samples from 12 NPBA wells are as follows:

- TCE concentrations range from undetected at 1.0 µg/L (several samples) to 58 µg/L (MW-12);
- PCE concentrations range from undetected at 1.0 µg/L (several samples) to 3.2 µg/L (MW-12); and
- The cis12DCE concentrations range from undetected at 1.0 µg/L (several samples) to 74 µg/L (MW-12).

Analytical results for detected COCs in the 2025 annual groundwater samples from ESP wells are as follows:

- TCE concentrations range from 0.41 J µg/L (MW-2) to 2.4 µg/L (MW-65S);
- PCE concentrations range from 1.8 µg/L (MW-65S) to 61 µg/L (MW-2); and
- Both total cyanide and available cyanide (i.e., free cyanide and complexes that easily dissociate) at concentrations of 310 µg/L and 52 J µg/L, respectively were detected in the sample from MW-2 located in the southcentral portion of the ESP (**Table 2.2-3**).

Analytical results for detected COCs in the 2025 annual groundwater samples from eight SCSA wells are as follows:

- TCE concentrations range from undetected at 1.0 µg/L (several samples) to 2.3 µg/L (MW-69);
- PCE concentrations range from undetected at 1.0 µg/L (several samples) to 7.7 µg/L (MW-88);
- The cis12DCE concentrations range from undetected at 1.0 µg/L (several samples) to 86 µg/L (MW-115);
- Vinyl chloride (VC) concentrations range from undetected at 1.0 µg/L (several samples) to 85 µg/L (MW-115);
- 1,1-Dichloroethane (11DCA) concentrations range from undetected at 1.0 µg/L (several samples) to 10 µg/L (MW-115);
- 1,1-Dichloroethene (11DCE) concentrations range from undetected at 1.0 µg/L (several samples) to 1.7 µg/L (MW-115);
- 1,1,1-Trichloroethane (TCA) concentrations range from undetected at 1.0 µg/L (several samples) to 5.9 µg/L (MW-67S);
- Benzene concentrations range from undetected at 1.0 µg/L (several samples) to 5.8 µg/L (MW-115); and
- Methyl tertiary-butyl ether (MTBE) concentrations range from undetected at 1.0 µg/L (several samples) to 18 µg/L (MW-115).

Analytical results for detected COCs in the 2025 annual groundwater samples from seven SPBA wells are as follows:

- TCE concentrations range from undetected at 1.0 µg/L (several samples) to 1.6 µg/L (MW-22); and
- PCE concentrations range from undetected at 1.0 µg/L (several samples) to 9.3 µg/L (MW-22).

Analytical results for detected COCs in the 2025 annual groundwater samples from six SPA wells are as follows:

- TCE concentrations range from undetected at 1.0 µg/L (several samples) to 22 µg/L (MW-150);
- PCE concentrations range from undetected at 1.0 µg/L (MW-150) to 17 µg/L (MW-110);
- The cis12DCE concentrations range from undetected at 1.0 µg/L (several samples) to 35 µg/L (MW-150); and
- 11DCE concentrations range from undetected at 1.0 µg/L (several samples) to 0.47 J µg/L (MW-150).

In Levee Area, TCE, PCE, and cis12DCE were detected in 2025 annual groundwater samples at well pair MW-101S/D. Concentrations range from 0.61 J µg/L (MW-101S) to 4.2 µg/L (MW-101D) for TCE and from 4.2 µg/L (MW-101S) to 4.4 µg/L (MW-101D) for PCE. The cis12DCE concentrations range from undetected at 0.39 J µg/L (MW-101S) to 6.8 µg/L (MW-101D).

Along the West Side of Codorus Creek at Waterloo™ multilevel well MW-148A, no COCs were detected in the annual 2025 groundwater samples from the two sample ports.

Analytical results for detected COCs in the 2025 annual groundwater samples from four NSP wells are as follows:

- TCE concentrations range from undetected at 1.0 µg/L (several samples) to 0.76 J µg/L (MW-82);
- PCE concentrations range from undetected at 1.0 µg/L (several samples) to 1.2 µg/L (MW-82); and
- The cis12DCE concentrations range from undetected at 1.0 µg/L (several samples) to 2.5 µg/L (MW-5).

2.2.3 SPBA Extraction System Sampling and Analytical Results

COC concentrations in SPBA groundwater were quantified quarterly during the 2025 extraction and treatment system operation in accordance with Section 4.3.3.1 of the PRCP (GSC, 2024). Samples were collected from three extraction wells (CW-21, CW-22, and CW-23) and from the combined extraction system inflow prior to treatment. The data were used to calculate VOC mass removed from the aquifer by extraction and to assess aquifer quality affected by pumping. **Table 2.2-2** contains analytical results from the quarterly extraction-well samples.

Figure 2.2-3 shows the monitoring locations used to gauge SPBA pumping system performance. Sample analytical data from groundwater provide information for future optimization of pumping rates, potential reduction in the number of wells operating, and shutdown of the system. Section 6 includes a complete discussion of 2025 SPBA groundwater extraction and treatment system performance.

3 SURFACE WATER MONITORING

Monthly surface water monitoring and data evaluation in 2025 followed Section 4.5 protocol in the PRCP. The surface water samples were collected for analysis of VOCs from 12 locations in Codorus Creek. This includes three focused, diffuse groundwater discharge locations (COD-SW-15, COD-SW-17, and COD-SW-26) and nine surface-water sampling locations downstream of diffuse discharge locations (COD-SW-6, COD-SW-7, COD-SW-8, COD-SW-9, COD-SW-13, COD-SW-16, COD-SW-27, COD-SW-28, and COD-SW-29). Sampling locations and applicable water quality criteria (AWQC) assigned to each sampling location are shown on **Figure 3.0-1** and **Table 3.0-1**, respectively. The monitoring was conducted in January through December 2025.

Surface water COCs detected in Codorus Creek are PCE, TCE, cis12DCE, and VC. **Table 3.0-2** provides the AWQC for each surface water COC (i.e., fish and aquatic life criteria and human health criteria).

Codorus Creek samples were collected during varying stream flow rates shown on **Table 3.0-3**. The table also provides the average daily flows in Codorus Creek based on published flow data from United States Geological Survey (USGS) Codorus Creek Gaging Station (USGS 01575500) for each recorded sampling date. Stream flow during sampling in 2025 ranged from 64 to 188 cubic feet per second (CFS).

Surface water samples were collected during varying precipitation and stream flows that represent typical seasonal variations in Codorus Creek. Monthly samples were collected during conditions that represent typical flow variability in Codorus Creek and precipitation amounts.

Table 3.0-4 contains VOC analytical results of monthly surface water samples collected from 12 locations in Codorus Creek in 2025 (142 samples). **Table 3.0-5** presents a comparison of AWQC with the COC analytical results at the sample locations in Codorus Creek and verifies compliance with AWQC in Codorus Creek. Reported COC concentrations were below the AWQC at each sampling location in 2025. The result of this comparison indicates that compliance was maintained for all surface water COCs at all sample locations with the WPL groundwater extraction system shut down. The ranges of COC concentrations from the 12 sampling locations in Codorus Creek are as follows:

- TCE concentrations range from undetected at 0.5 µg/L to 6.0 µg/L;
- PCE concentrations range from undetected at 0.5 µg/L to 170 µg/L;
- The cis12DCE concentrations range from undetected at 0.5 µg/L to 3.1 µg/L; and
- VC was not detected at 0.5 µg/L in 2025 samples.

In September 2025, fYNOP informed PADEP and USEPA that the monthly surface water monitoring required under the PRCP was completed. The communication also indicated that monthly monitoring would continue until December 2025 and two years of quarterly monitoring would begin in January 2026, pending approval from PADEP and USEPA.

4 MNA ASSESSMENT

This Section provides the results of a statistical trend analysis performed for groundwater COC concentrations in MNA areas outside of TI Area boundaries. The trend analysis followed the procedures presented in Section 4.4.2 of the PRCP and includes the data collected in 2025. Data used for the trend analysis comprises the most recent analytical results from samples collected at intervals consistent with the PRCP (either annually or quarterly). These datasets align with those used to demonstrate the attainment of the site-specific standard (SSS) for groundwater in the Final Report (GSC, 2024). Statistical trend analysis graphs and outputs for each COC are in **Appendix E**.

Tables 4.0-1 through 4.0-10 contain information for COCs detected in groundwater from the 44 MNA wells and the results of trend analyses performed on the MNA data. The statistical analysis for each COC used the following information:

- Well identification, sample collection period, frequency of detection, regulatory level, and maximum detected concentration;
- Predicted date when the trend line reaches a regulatory value (MCL and/or RSL); and
- The calculated 95 percent upper confidence limit of the arithmetic mean (UCL95).

Wells with four or more COC detections were initially evaluated using Mann-Kendall trend test to determine whether the measured COCs in groundwater from each well showed a statistically significant trend (either increasing or decreasing) at an 80 or 90 percent confidence coefficient. The Theil-Sen trend line method was then used to evaluate the trend and project when, or if, the trend line would reach the regulatory value for each COC. For wells with COC detections without a statistically significant trend (indicated as “none” on the Tables), the calculated UCL95 was used to determine whether the concentration is less than or greater than the regulatory values.

Analytical results from groundwater in MNA wells with three or less COC detections and below regulatory values are identified on the Tables. For purposes of the MNA assessment, no additional evaluation is necessary for these wells and the regulatory value is assumed to be met.

4.1 MNA Trends in Groundwater

The statistical trend analysis results for COCs in MNA areas are shown on **Tables 4.0-1 through 4.0-10**. A summary of the statistically significant trends from the Mann-Kendall test at an 80 or 90 percent confidence coefficient is as follows:

4.1.1 NPBA

Downward trends were determined in groundwater data for TCE in nine wells (MW-3, MW-9, MW-12, MW-18S, MW-18D, MW-20S, MW-143S, CW-1A, and CW-2); PCE in six wells (MW-3, MW-12, MW-16S, MW-20S, CW-1A, and CW-2); cis12DCE in seven wells (MW-3, MW-9, MW-16S, MW-18S, MW-18D, MW-20S, and CW-1A); and VC in three wells (MW-9, MW-18S, and MW-18D). Downward trends in TCE data from CW-1A and MW-12 are projected to reach the MCL value in 2032 and 2033, respectively.

No trends were determined for TCE data from two wells (MW-16S and MW-20M), PCE data from one well (MW-143S), cis12DCE data from two wells (MW-20M and CW-2), and MTBE data from one well (MW-3).

Upward trends were determined in PCE data from one well (MW-20M) and cis12DCE data from two wells (MW-12 and MW-143D). The PCE concentration data from MW-20M and the cis12DCE concentration data from MW-143D are currently below the MCLs but are projected to reach the MCLs in 2164 and 2251, respectively. The cis12DCE concentration data from MW-12 are currently greater than the MCL value.

4.1.2 ESP

Downward trends were determined in groundwater data for TCE from two wells (MW-14 and MW-65S) and PCE in one well (MW-65S). No trends were determined in groundwater data for TCE from one well (MW-2) and PCE from two wells (MW-2 and MW-14). The analysis determined no upward COC concentration trends in ESP groundwater.

4.1.3 SCSA

Downward trends were determined in groundwater data for TCE from six wells (MW-67S, MW-67D, MW-69, MW-79, MW-88, and MW-115); cis12DCE from four wells (MW-67S, MW-69, MW-79, and MW-115); 11DCA from two wells (MW-79 and MW-115); 11DCE from two wells (MW-111 and MW-115); and 1,2-dichloroethane (12DCA), benzene, and MTBE from one well (MW-115). The downward trends in data for benzene, MTBE, and 11DCA at MW-115 are projected to reach the MCL or RSL values in 2026, 2028, and 2032, respectively.

No trends were determined in groundwater data for TCE from one well (MW-111), PCE data from three wells (MW-67S, MW-67D, and MW-69), cis12DCE data from three wells (MW-67D, MW-88, and MW-111), and VC data from one well (MW-115).

Upward trends were determined in TCE data from one well (MW-112), PCE data from two wells (MW-88 and MW-112), 11DCE data from one well (MW-67S), and TCA data for one well (MW-67S). The TCE and PCE concentration data from MW-112 and the 11DCE and TCA concentration data from MW-67S are currently below the MCLs but trending upward and are projected to reach the MCLs in 2086, 2051, 2119, and 2833, respectively. The PCE concentration data from MW-88 is currently greater than the MCL value.

4.1.4 SPBA

Downward trends were determined in groundwater data for TCE in four wells (MW-22, MW-165, MW-166, and MW-167) and PCE in four wells (MW-165, MW-166, MW-167, and MW-168). No trend was determined in groundwater data for PCE in one well (MW-22). The analysis determined no upward COC concentration trends in SPBA groundwater.

4.1.5 SPA

Downward trends were determined in groundwater data for TCE in five wells (MW-43D, Cole D, Cole Steel (MW-12), MW-110, and MW-150), PCE in four wells (MW-43D, Cole D, GM-1D, and MW-110), cis12DCE in two wells (MW-43D and MW-150), and 11DCE in one well (MW-150). The downward trends in groundwater data for TCE at Cole Steel (MW-12) and MW-150, and PCE at Cole D and MW-110 are projected to reach the MCLs in 2040, 2032, 2030, and 2036, respectively. No trends were determined in groundwater data for PCE and cis12DCE in one well (Cole Steel (MW-12)). The analysis determined no upward COC concentration trends in SPA groundwater.

4.1.6 Levee Area

Downward trends were determined in groundwater data for TCE, PCE, and cis12DCE in one well (MW-101D). No trends were determined in groundwater data for TCE and cis12DCE at MW-101S and benzene at MW-101D. An upward trend was determined for PCE in groundwater data from MW-101S. PCE concentrations in groundwater from MW-101S are currently below the MCL but trending upward and are projected to reach the MCL in 2030.

4.1.7 West Side of Codorus Creek

Trend analysis was not conducted for COC data in groundwater from multi-level well MW-148A (two sample ports) because no COCs have been detected above the laboratory reporting limits. The analysis determined no upward COC concentration trends in west side of Codorus Creek groundwater.

4.1.8 NSP

Downward trends were determined in the groundwater data for TCE from two wells (MW-5 and MW-82) and cis12DCE from two wells (MW-5 and MW-82). No trend was determined in the groundwater data for PCE from MW-82. The analysis determined no upward COC concentration trends in NSP groundwater.

4.2 Comparison of Statistical Metrics to Regulatory Levels

Table 4.2-1 provides a summary of the 2025 statistical analysis performed for MNA in groundwater samples from 44 wells (ten COCs from each sample or 440 analyses). The MNA trend analyses performed in 2025 yielded similar results to those presented in the Final Report (GSC, 2024). A summary of groundwater concentration statistical metrics compared to regulatory levels indicates the following:

- Statistical analysis of groundwater chemical data from 31 wells shows the concentrations in groundwater are currently less than the MCL.
- Statistical analysis of groundwater chemical data from seven wells shows statistically significant downward trends that are projected to be less than the MSC and/or RSL in the future.
- Statistical analysis of groundwater chemical data from seven wells shows statistically significant increasing trends. The concentrations in groundwater from five wells are currently less than the MCLs but are projected to be greater than the MCLs in the future. The PCE and cis12DCE concentrations in groundwater from MW-88 and MW-12, respectively, are currently greater than the MCLs.
- Statistical analysis of groundwater chemical data from 15 wells do not have a statistically significant trend but have an UCL95 that is less than the MCL.
- Statistical analysis of groundwater chemical data from six wells without a statistically significant trend shows an UCL95 that is greater than the MCL.

Statistical analysis of area-specific COC concentrations in groundwater compared to regulatory levels shows the following:

- NPBA – Groundwater analytical data from six of the 12 wells show COC concentrations less than the MCLs. The trend line is above the MCL for TCE in data from two wells (MW-12 and CW-1A), PCE in data from one well (MW-20M), and cis12DCE in data from two wells (MW-12 and MW-143D). The TCE concentration in MW-20S is greater than the MCL value but, the downward trend line shows the value has been reached. The UCL95 is above the MCL for TCE in data from two wells (MW-16S and MW-20M).
- ESP – Groundwater analytical data from one of the three wells show COC concentrations less than the MCLs. The UCL95 is above the MCL for PCE in data from two wells (MW-2 and MW-14).
- SCSA – Groundwater analytical data from four of the eight wells show COC concentrations less than the MCLs. The trend line is above the MCL and/or RSL for TCE in data from one well (MW-112), for PCE in data from two wells (MW-88 and MW-112); for 11DCE and TCA in data from one well (MW-67S), and for 11DCA, benzene, and MTBE in data from one well (MW-115). The cis12DCE concentration in MW-115 is greater than the MCL value but, the downward trend line shows the value has been reached. The UCL95 is above the MCL for VC in data from one well (MW-115).
- SPBA – Groundwater analytical data from six of the seven wells show COC concentrations less than the MCLs. The UCL95 is above the MCL for PCE in data from one well (MW-22).
- SPA – Groundwater analytical data from two of the six wells shows COC concentrations less than the MCL. The trend line is above the MCL for TCE in data from two wells (Cole Steel (MW-12) and MW-150) and for PCE in data from two wells (Cole D and MW-110).
- Levee Area – Groundwater analytical data from one of the two wells shows COC concentrations less than the MCLs (MW-101D). The trend line is above the MCL for PCE in data from one well (MW-101S).
- West Side of Codorus Creek – Groundwater analytical data from the two wells show COC concentrations less than the MCLs.
- NSP – Groundwater analytical data from the four wells show COC concentrations less than the MCLs.

4.3 Recommendations

The fYNOP team recommends continued annual groundwater monitoring in accordance with Section 4.4 of the PRCP, including the use of the calculated UCL95 to determine whether MCLs are achieved. The purpose of continued monitoring is to develop a robust groundwater data set for future MNA analysis and evaluation of additional lines of evidence for MNA in accordance with Section 4.4.2 of the PRCP.

5 NPBA COC MIGRATION ASSESSMENT

The NPBA COC migration assessment is used to verify no off-Site migration of COCs from the NPBA. Section 4.4.3 of the PRCP requires an annual assessment to confirm that migration of COCs above established limits north and west of the NPBA is not occurring. The assessment is performed by evaluating groundwater quality data and hydraulic gradients.

5.1 COC Migration in Northern NPBA

An evaluation of 2025 water table contours (**Figure 5.1-1**) indicates that off-Site migration of COCs did not occur north of the NPBA. In 2025, just as in 2019 through 2024, a northern hydraulic gradient documented in 2018 (GSC, 2019b) was not seen. The 2025 measured hydraulic gradient shows southwest groundwater flow, consistent with data plotted prior to and after 2018. The water table contours on **Figure 5.1-1** show a steep hydraulic gradient from CW-2 (526.68 feet amsl) and MW-9 (527.44 feet amsl) to CW-4 (517.43 feet amsl) and MW-12 (500.41 feet amsl), indicating groundwater flow away from RW-2 and RW-4 and southwest in the NPBA.

5.2 COC Migration in Western NPBA

The evaluation of 2025 hydraulic gradient and chemistry data indicates that off-Site migration of COCs did not occur west of the NPBA boundary.

Water table contours plotted on **Figure 5.1-1** show that the hydraulic gradient and subsequent groundwater flow is southwest along the NPBA boundary. **Figure 5.1-1** contains an arrow to show groundwater flow that follows the NPBA boundary from MW-18S (468.27 feet amsl) to MW-142S (433.33 feet amsl) and then to MW-143S (368.20 feet amsl).

COC migration westward past the NPBA boundary is not occurring at levels of concern based on the hydraulic gradient and subsequent low COC concentrations in groundwater from wells MW-142S/D and MW-143S/D. These wells are directly downgradient of wells MW-18S/D along the NPBA boundary. Groundwater from MW-18S/D, analyzed in September/October 2025, contains TCE concentrations of 0.94 J $\mu\text{g/L}$ and 1.2 $\mu\text{g/L}$, respectively. COC analytical results from samples in MW-142S/D and MW-143S/D reported no detection of TCE.

6 MONITORING AND MAINTENANCE OF ENGINEERING CONTROLS

This Section documents the effectiveness of engineering controls in 2025 to maintain the remediation standards under Act 2 and the Final Remedy in the FDRTC. Engineering controls include monitoring and maintenance of caps, West Campus vapor barrier, and SPBA groundwater extraction and treatment system. The final recorded environmental covenants for the East and West Campuses include these obligations.

6.1 Monitoring and Maintenance of Caps

Section 4.3 of the PRCP contains procedures for monitoring and maintaining caps on the East and West Campuses (LUA 1, LUA 2, and LUA 3). The caps protect receptors from direct contact with contaminated soil or waste and have the added benefit of limiting infiltration in certain areas of the West Campus property. Monitoring in 2025 consisted of reviewing low altitude aerial photographs using unmanned aircraft system (drone) technology, conducting a walk-over inspection, and interviewing property representatives to evaluate and document the integrity of the caps to confirm no deviation from the cap locations and materials specified in Section 3.2.1 of the PRCP. Maintenance in 2025 included documenting that cap repair and replacement activities were performed in accordance with Section 5.1 of the PRCP.

In 2025, an aerial photograph review of caps on the East and West Campuses discovered no obvious changes (e.g., damage, repair, replacement, alteration to type of material, and coverage size). However, the walk over inspection and interviews of property owners discovered that four caps were altered and repaired.

Sections of one cap on the East Campus property and three caps on the West Campus property were removed and replaced during the evaluation period. Cap removal and replacement on the East Campus was performed during replacement of a loading dock on the east side of Building 3 in October 2025. Cap removal and replacement on the West Campus was performed during installation of a new sidewalk along the north side of the ERLC warehouse building in June 2025, repair of a sinkhole north of the ERLC warehouse building in August 2025, and installation of new electrical poles at 10 locations in September and October 2025.

Cap maintenance on the West Campus property was performed inside the ERLC warehouse building in January and May 2025 (concrete hole filling) and in the WPL in July and August 2025 (asphalt sealing and crack filling).

Form A in **Appendix F** contains information for the East and West Campuses showing that the integrity of capped areas was maintained in 2025 and cap repair and replacement activities were performed in conformance with the PRCP.

6.2 Monitoring and Maintenance of Vapor Barrier

Section 4.3 in the PRCP has procedures for monitoring and maintaining the integrity of the vapor barrier beneath the ERLC warehouse building on the West Campus property (LUA 3). The vapor barrier is beneath the concrete slab of the building to prevent potential vapor intrusion from soil and groundwater into the building. The vapor barrier is assumed to meet requirements if the slab is intact.

Annual monitoring in 2025 included a walk-over inspection of the concrete slab covering the vapor barrier and an interview with a representative of the West Campus property. The inspection and interview confirmed that the concrete slab and vapor barrier are intact. Form B in **Appendix F** contains documentation for the 2025 vapor barrier monitoring activities.

6.3 SPBA Extraction and Treatment System Evaluation

The performance of the SPBA groundwater extraction and treatment system is evaluated by standards in Section 5.3 of the PRCP. The objective of the groundwater extraction system is to maintain a groundwater gradient that slopes from off-Site wells located along Canterbury Lane toward on-Site wells located in the SPBA to prevent off-Site migration of COCs. The treatment system objective is sufficient removal of VOC mass to meet National Pollutant Discharge Elimination System (NPDES) permit requirements. **Figure 6.3-1** shows the layout of the groundwater extraction and treatment systems.

The Groundwater Extraction and Treatment System Annual Operations Report for the Period of January 1 through December 31, 2025 (Hydro-Terra Group [HTG], 2026) provides a detailed evaluation of the groundwater extraction and treatment system performance in 2025. As discussed in

the report, the groundwater extraction and treatment system operated nearly continuously with few off periods in 2025. **Appendix G** contains a copy of the report.

6.3.1 Groundwater Gradients Developed by Pumping

Based on the September 2025 groundwater elevation contour data shown on **Figure 6.3-2**, a coalescing cone of depression was maintained around extraction wells CW-21 and CW-22. This is shown by the closed 340-foot and 350-foot amsl contours on the figure. Although a similar cone of depression is not shown around CW-23, this well is installed in a less permeable portion of the aquifer and therefore the pumping influence at CW-23 is not as pronounced (GSC, 2019a).

Further evaluation of the groundwater extraction system influence includes comparing data from paired wells (on-Site extraction well with a down-gradient, off-Site sentinel well) to gauge pumping effects (GSC, 2019a). Elevation data from well groupings CW-21 and MW-166, CW-22 and MW-167, and CW-23 and MW-168 (during pumping in 2025) verify that the groundwater gradient slopes from the wells located along Canterbury Lane toward the wells located in the SPBA as follows:

- **Figure 6.3-3** shows that a higher water level elevation exists in MW-166 than in wells influenced by pumping CW-21, except in residuum wells MPE-1 and MW-64S. These residuum wells are constructed in localized zones of low permeability not well-connected to the surrounding aquifer.
- **Figure 6.3-4** shows that a higher water level elevation exists in MW-167 than in wells influenced by pumping CW-22.
- **Figure 6.3-5** shows that a higher water level elevation exists in MW-168 than in all but one well (MW-163) influenced by pumping; however, the well is still in the zone of groundwater capture of pumping well CW-23.

These results are consistent with historical results and verify that the groundwater gradient objective for the groundwater extraction system performance was met in 2025.

6.3.2 Extraction Well Pumping Rates

In 2025, the groundwater extraction system pumped 2.7 million gallons of groundwater from three SPBA wells (**Table 6.3-1**). **Table 6.3-2** presents 2025 average monthly pumping rates for the three extraction wells that were calculated based on flow-meter readings. The average monthly rates for CW-21, CW-22, and CW-23 are 3.1, 1.7, and 0.4 gallons per minute (gpm), respectively. The average

monthly rate for the combined flow from the extraction wells was 5.2 gpm and met the groundwater gradient objective for the system.

Figure 6.3-6 presents average daily pumping rates for CW-21, CW-22, and CW-23 and the combined flow from the extraction wells in 2025. **Appendix H** contains information for total gallons pumped, average pumping rates, precipitation amounts, and temporary shutdown of the system.

6.3.3 Groundwater Quality and VOC Mass Removal

As shown on **Table 2.2-2**, total VOC concentrations in quarterly 2025 samples collected from the combined SPBA extraction-well flow ranged from 77 µg/L to 82 µg/L. The lowest and highest total VOC concentrations were measured in second- and fourth-quarter samples, respectively.

Consistent with historical analysis of groundwater from wells CW-21, CW-22, and CW-23, PCE was detected at concentrations approximately two orders of magnitude higher than TCE concentrations. PCE and TCE concentrations in 2025 SPBA samples from these extraction wells ranged from 24 µg/L to 110 µg/L and 0.31 J µg/L to 0.87 J µg/L, respectively (**Figure 2.2-3**).

PCE and TCE concentrations in 2025 samples from Canterbury Lane monitoring wells MW-166, MW-167, and MW-168 ranged from undetected (at 1 µg/L) to 2.5 µg/L and undetected (at 1 µg/L) to 0.74 J µg/L, respectively (**Figure 2.3-3**).

Table 6.3-1 contains the 2025 quarterly performance data for the groundwater extraction system operation as follows:

- Sample collection dates,
- VOC concentrations in the combined groundwater flow from SPBA extraction wells,
- Metered groundwater volume extracted, and
- VOC mass removed.

As shown on the Table and bar graph (**Figure 6.3-7**), the rate of VOC mass removed from the aquifer ranged from 0.4 pounds in the first and fourth quarters to 0.5 pounds in the second and third quarters. Groundwater extraction removed a total of 1.8 pounds of VOCs in 2025.

6.3.4 Monitoring and Maintenance of the Groundwater Extraction and Treatment System

Section 5.3 of the PRCP contains procedures for monitoring and maintaining the groundwater extraction and treatment system (GWETS) in accordance with the fYNOP Operation and Maintenance (O&M) Manuals (HTG, 2019 and 2022).

Three active collection wells (CW-21, CW-22, and CW-23) extracted groundwater from the SPBA during 2025. Five collection wells (CW-9, CW-13, CW-15A, CW-17, and CW-20) in the WPL were not operating in 2025 but remain functional. Extracted groundwater was treated and discharged to Codorus Creek.

Activities required to meet the performance goal for the GWETS consist of ongoing operation, monitoring, maintenance, and reporting described in the O&M Manuals. The activities are documented in the 2025 Annual Operation Report (HTG, 2026) and include the following:

- Performing inspections, preventative maintenance, cleaning, and repairs;
- Responding to system shutdowns and alarms;
- Monitoring extraction well pumping rates and treatment processes;
- Sampling system influent and effluent water;
- Monitoring groundwater levels and sampling wells;
- Reporting system compliance monitoring under PADEP Industrial Wastewater (Groundwater Cleanup) NPDES Permit, PADEP Air Quality State Only Operating Permit, and Susquehanna River Basin Commission (SRBC) permit; and
- Reporting annual system performance under PADEP Chapter 110 (Water Allocation, Water Management Plan Water Withdrawal, and Use Reporting).

Analytical results for 2025 samples demonstrate compliance with discharge requirements for the NPDES permit. Monitoring for treatment system effluent limitations in accordance with the Industrial Wastewater NPDES permit were completed for Outfall 003. Treatment system compliance reporting in 2025 included monthly and quarterly NPDES permit reports, quarterly SRBC reports, and an annual PADEP groundwater withdrawal report.

7 VERIFICATION OF INSTITUTIONAL CONTROLS

This Section verifies implementation of institutional controls, and documents inspection and notification activities performed in 2025. The activities confirm the continued attainment of remediation standards under Act 2 and the Final Remedy in the FDRTC that include the following obligations:

- Verification of appropriate groundwater use and continued non-residential land use,
- Evaluation of potential vapor intrusion into new inhabited spaces,
- Monitoring of intrusive activity and management of waste generated, and
- Periodic notification of potential hazards for utility workers contacting shallow groundwater.

The existing environmental covenants for the West Campus and former K. G. Whiteford Ltd. properties and the environmental covenants to be recorded for the East and West Campuses include these obligations.

7.1 Assessment of Groundwater Use

Groundwater is only used for environmental sampling and remediation on the East and West Campuses (LUA 1, LUA 2, and LUA 3) and non-potable use on surrounding properties (LUA 4, LUA 5, and LUA 6). The 2025 annual assessment includes reviewing available public records to identify potential changes to groundwater use and communicating with the local water supplier to confirm no changes to groundwater use in accordance with Section 4.1. in the PRCP. The completed assessment identified no changes to groundwater use (new water supply or withdrawal wells) in LUAs 1, 2, 3, 4, 5, and 6 from conditions described in the Final Report. Form C in **Appendix F** contains documentation for 2025 assessment activities.

7.2 Assessment of Non-Residential Land Use

Land use on the East and West Campuses (LUA 1, LUA 2, and LUA 3) and surrounding properties (LUA 5 and LUA 6) remains non-residential. The 2025 annual assessment includes reviewing aerial photographs and conducting a walk-over inspection to confirm non-residential land use in accordance with Section 4.1 in the PCRCP. The activities confirmed no residential land use on the East and West Campuses and surrounding properties. Form D in **Appendix F** contains documentation for the 2025 assessment activities.

7.3 Assessment of Potential Vapor Intrusion into Future Inhabited Spaces

Section 4.1 in the PCRP requires a vapor intrusion pathway evaluation or presumptive mitigation measures (e.g., vapor barrier or sub-slab depressurization system) prior to construction of a new inhabitable structure on the East and West Campuses (LUA 1, LUA 2, and LUA 3). Annual assessment in 2025 included reviewing aerial photographs, conducting a walk-over inspection, and interviewing property representatives to determine whether new inhabited space(s) exist and/or vapor intrusion evaluation/mitigation measures were performed. The reviews, inspections, and interviews identified no new inhabited space(s) on the East and West Campus properties. Form E in **Appendix F** contains documentation for the 2025 assessment activities.

7.4 Assessment and Verification of Intrusive Activity and Waste Management Controls

Section 4.2 in the PCRP contains procedures for conducting and documenting intrusive activities and managing waste generated during intrusive activities on the East and West Campuses (LUA 1, LUA 2, and LUA 3). These procedures, when used, prevent exposure to contaminated soil/fill material, water, and ordnance hazards during intrusive activities and to manage waste according to applicable laws, regulations, guidance, and policies. Intrusive activities are defined in the PCRP as earthwork, including without limitation any digging, excavating, drilling, grading, pile driving, and/or removal of any asphalt, concrete, soil, or excavating other ground cover.

Seven intrusive activities were documented on the East Campus property in 2025. The activities included drilling geotechnical soil borings near the northern stormwater basin (Basin 3) in January 2025, disturbing soil during tree removals in LUA 2 in February 2025, trenching to reroute the SPBA groundwater conveyance pipeline in LUAs 1 and 2 in April and May 2025, excavating to replace and extend the loading dock on the east side of Building 3 in October 2025, excavating to repair a sinkhole near the southern stormwater basin (Basin 2) in October 2025, regrading adjacent to the west side of the MMRP Cleanup Area in November and December 2025, and regrading prior to placing excavated soil meeting criteria for clean fill in the PCRP from the MMRP Cleanup Area into LUA 2 in November and December 2025. The final MMRP report will document soil removal, characterization, and management associated with the MMRP remediation project.

Three intrusive activities were documented on the West Campus property in 2025 that consisted of excavating to install a new sidewalk north of the ERLC warehouse building in June 2025, repair a sinkhole north of the ERLC warehouse building in August 2025, and install new electrical poles at nine locations across the property in September and October 2025.

Appendix F contains documentation verifying that these activities and management of waste generated were conducted in accordance with the PRCP (a separate Form F is provided for the East and West Campus properties).

7.5 Periodic Notification Regarding Potential Exposure to Utility Workers

The Groundwater RA (Newfields, 2018) identified the potential for utility worker exposure to shallow impacted groundwater during excavation activities on the K. G. Whiteford Ltd. property in LUA 5 and the properties in LUA 6. This potential exposure pathway has been addressed by notifying the property owners annually of the potential risk in accordance with Section 4.1 of the PRCP.

In June 2025, letters were sent to the owner of the K. G. Whiteford Ltd. property in LUA 5 and the property owners in LUA 6. Copies of the letters were provided to USEPA, PADEP, the municipality, and public water and sewer providers operating within the municipality.

Appendix I contains the letters that were used to notify property owners of the potential risks and the need to exercise reasonable caution in planning and conducting intrusive activities. The letters requested that the current owner of the East Campus property be contacted if an intrusive activity is anticipated. When notified, the owner of the East Campus property will evaluate current environmental conditions and provide notice to the property owner regarding the need for measures to protect human health and the environment during the work.

No property owner notifications were received in 2025.

8 COMMUNITY RELATIONS

Communication and public involvement activities in 2025 were performed in accordance with Section 6.0 of the PRCP and the fYNOP Public Information and Involvement Plan (PIIP) (AMO Environmental Decisions, Inc. [AMO], 2024). The PIIP was initially developed in 2004 and established a forum and procedures for informing the community of planned and future investigations and corrective measures.

In December 2025, the fYNOP Team published a community update newsletter (Issue 23) that is available on the public website (<https://yorksiteremedy.com>). The newsletter provided an update on progress of corrective measures.

The owner of the East Campus property maintains a public information line for inquiries about fYNOP. In February 2025, one question was answered regarding the removal of trees in LUA 2.

9 SUMMARY OF PRCP ACTIVITIES FOR 2025

A summary of PRCP activities is provided below. Reporting requirements for PRCP items contained in this annual assessment include the following:

- Monitoring groundwater and surface water,
- Assessing MNA progress,
- Monitoring and maintaining engineering controls,
- Assessing and verifying institutional controls, and
- Documenting notification activities required in the PRCP.

Implemented engineering and institutional controls were confirmed to be protective of human health and the environment in 2025.

The sampling level of effort in 2025 consisted of collecting groundwater samples from 50 wells that include 44 wells to gauge MNA progress, three SPBA extraction wells to monitor pumping effectiveness, and three NPBA wells to assess COC migration. The number of samples containing COCs above regulatory levels and the maximum measured COC concentrations in groundwater from all wells sampled are listed as follows:

- PCE (above MCL in samples from six wells) – Maximum detected concentration 61 µg/L.
- TCE (above MCL in samples from six wells) – Maximum detected concentration 58 µg/L.
- cis12DCE (above MCL in samples from two wells) – Maximum detected concentration 86 µg/L.
- 11DCA (above RSL in a sample from one well) – Maximum detected concentration 10 µg/L.
- VC (above MCL in a sample from one well) – Maximum detected concentration 85 µg/L.
- Benzene (above MCL in a sample from one well) – Maximum detected concentration 5.8 µg/L.

Surface water COCs quantified in 2025 Codorus Creek samples are PCE, TCE, cis12DCE, and VC. Analytical results for VOCs in monthly surface water samples collected from 12 locations in Codorus Creek reported concentrations below the AWQC at each sampling location. TCE concentrations ranged from undetected at 0.5 µg/L to 6.0 µg/L; PCE concentrations ranged from undetected at 0.5 µg/L to 170 µg/L; cis12DCE concentrations ranged from undetected at 0.5 µg/L to 3.1 µg/L; and VC was not detected at 0.5 µg/L in 2025 samples. Surface water analytical results indicate that compliance was maintained for all surface water COCs at the 12 locations in 2025.

An evaluation of 2025 water table contours and groundwater chemistry indicates that off-Site COC migration did not occur north or west of the NPBA boundary. In 2025, just as in 2019 through 2024, a northern hydraulic gradient documented in 2018 was not observed. In the western part of the NPBA, groundwater flows southwest along the NPBA boundary. COC migration westward past the NPBA boundary is not occurring at levels of concern based on low COC concentrations in groundwater.

An evaluation of engineering controls in 2025 included monitoring and maintaining caps, the West Campus vapor barrier, and the SPBA groundwater extraction and treatment system. Monitoring and maintaining caps on the East and West Campuses (LUA 1, LUA 2, and LUA 3) were completed by reviewing aerial photographs, conducting a walk-over inspection, and interviewing property representatives to evaluate and document the integrity of the caps. In 2025, cap repair and replacement activities were performed in accordance with Section 5.1 of the PRCP. One cap area on the East Campus property and three cap areas on the West Campus property were removed and replaced during the evaluation period. The vapor barrier beneath the concrete slab of the ERLC warehouse building on the West Campus property (LUA 3) was inspected and is intact.

The SPBA groundwater extraction and treatment system operated nearly continuously with few off periods in 2025. Based on the September 2025 groundwater elevation contour data, the pumping effects are consistent with historical results in the SPBA that verify attainment of the groundwater gradient objective for groundwater extraction system performance. Extracted groundwater was monitored for treatment system effluent limitations in the NPDES permit before discharge to Outfall 003 at Codorus Creek. Analytical results for all samples demonstrated compliance with discharge requirements for the NPDES permit in 2025.

Institutional control activities include verification of appropriate groundwater use and continued non-residential land use, evaluation of potential vapor intrusion into any new inhabited spaces, monitoring of intrusive activity and management of waste generated, and periodic notification of potential hazards for utility workers contacting shallow groundwater. The verification activities documented that groundwater is only used for environmental sampling and remediation on the East and West Campuses (LUA 1, LUA 2, and LUA 3) and non-potable use on surrounding properties (LUA 4, LUA 5, and LUA 6). No changes to groundwater use (new water supply or withdrawal wells) were identified in LUA 1 through LUA 6. Aerial photographs and walk-over inspection

confirmed non-residential land use in accordance with Section 4.1.1 in the PRCP. Aerial photography review, a walk-over inspection, and interview activities identified no new inhabited space(s) on the East and West Campus properties.

Seven intrusive activities were documented on the East Campus property, and three intrusive activities were documented on the West Campus property in 2025. In June 2025, letters were sent to property owners providing notification of the potential risks and the need to exercise reasonable caution in planning and conducting intrusive activities. The letters requested that the current owner of the East Campus property be contacted if an intrusive activity is anticipated. Copies of the letters were provided to the municipality, public water and sewer providers operating within the municipality, USEPA, and PADEP. In December 2025, a newsletter was distributed to update the community on progress of fYNOP corrective measures.

10 REFERENCES

- AMO Environmental Decisions, Inc. (AMO), 2024. Public Information and Involvement Plan for The Former York Naval Ordnance Plant Remediation Project, August.
- Groundwater Sciences Corporation (GSC), 2012. Field Sampling Plan for Part 2 of the Supplemental Groundwater Remedial Investigation at the former York Naval Ordnance Plant in York, Pennsylvania, April.
- GSC, 2018. Supplemental Remedial Investigation Groundwater Report (Part 2) Former York Naval Ordnance Plant, August 2016 and Revised March 2018.
- GSC, 2019a. Southern Property Boundary Area Groundwater Extraction System Operation Effectiveness Report, Former York Naval Ordnance Plant, 1425 Eden Road, York, PA 17402, October.
- GSC, 2019b. 2018 Annual Monitoring Progress Report for the NPBA Extraction System Shutdown, Former York Naval Ordnance Plant, 1425 Eden Road, Springettsbury Township, York, Pennsylvania, April.
- GSC, 2020. Quality Assurance Project Plan, Former York Naval Ordnance Plant, 1425 Eden Road, York, Pennsylvania, Rev. 2, November.
- GSC, 2024. Final Report, Former York Naval Ordnance Plant, 1425 Eden Road, Springettsbury Township, York, Pennsylvania, January.
- Hydro-Terra Group (HTG), 2019. Groundwater Extraction and Treatment System Operations and Maintenance Manual, October.
- HTG, 2022. Groundwater Extraction and Treatment System Operations and Maintenance Manual, October 2019, and Revised October 2022.
- HTG, 2026. Groundwater Extraction and Treatment System Annual Operations Report for the Period of January 1 Through December 31, 2025, Former York Naval Ordnance Plant, March.
- Newfields, 2018. Revised Groundwater Human Health Risk Assessment, Former York Naval Ordnance Plant, November 2016 and Revised March 2018.
- United States Environmental Protection Agency (USEPA), 2020. United States Environmental Protection Agency, Region III, Final Decision and Response to Comments, Former York Naval Ordnance Plant, 1425 Eden Road, York, Pennsylvania, EPA ID No. PAD 001643691, February.

Tables

TABLE 2.1-1
Site-Wide Water Level and Elevation Data (2022-2025)
Former York Naval Ordnance Plant - York, PA

Well Identification	Well Type	Site-Wide Water Levels											
		9/22/22			9/26/23			9/24/24			9/23/25		
		MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev
CW-1	Inactive Collection Well	570.07	42.69	527.38	570.07	43.71	526.36	570.07	42.91	527.16	570.07	40.96	529.11
CW-1A	Inactive Collection Well	568.28	39.52	528.76	568.28	39.81	528.47	568.28	39.79	528.49	568.28	37.78	530.50
CW-2	Inactive Collection Well	556.95	30.37	526.58	556.95	32.47	524.48	556.95	32.03	524.92	556.95	30.27	526.68
CW-3	Inactive Collection Well	518.66	15.01	503.65	518.66	14.84	503.82	518.66	14.49	504.17	518.66	13.43	505.23
CW-4	Inactive Collection Well	541.55	24.96	516.59	541.55	25.30	516.25	541.55	25.18	516.37	541.55	24.12	517.43
CW-5	Inactive Collection Well	470.34	18.95	451.39	470.34	18.76	451.58	470.34	19.00	451.34	470.34	18.88	451.46
CW-6	Inactive Collection Well	484.67	9.23	475.44	484.67	9.63	475.04	484.67	9.86	474.81	484.67	9.48	475.19
CW-7	Inactive Collection Well	573.78	41.93	531.85	573.78	43.05	530.73	573.78	42.07	531.71	573.78	39.56	534.22
CW-7A	Inactive Collection Well	573.91	44.44	529.47	573.91	45.25	528.66	573.91	44.59	529.32	573.91	42.39	531.52
CW-9	Inactive Collection Well	356.82	16.15	340.67	356.82	14.60	342.22	356.82	15.63	341.19	356.82	16.30	340.52
CW-13	Inactive Collection Well	358.85	17.56	341.29	358.85	16.67	342.18	358.85	17.57	341.28	358.85	17.70	341.15
CW-14	Monitoring Well	361.63	21.27	340.36	361.63	20.34	341.29	361.63	21.35	340.28	361.63	21.45	340.18
CW-15A	Inactive Collection Well	360.11	17.17	342.94	360.11	15.26	344.85	360.11	17.19	342.92	360.11	17.09	343.02
CW-17	Inactive Collection Well	358.70	18.38	340.32	358.70	17.46	341.24	358.70	18.42	340.28	358.70	18.6	340.10
CW-20	Inactive Collection Well	361.49	20.19	341.30	361.49	17.44	344.05	361.49	15.81	345.68	361.49	15.83	345.66
CW-21	Collection Well	415.72	94.69	321.03	415.72	94.65	321.07	415.72	94.62	321.10	415.72	94.99	320.73
CW-22	Collection Well	415.71	96.70	319.01	415.71	96.91	318.80	415.71	96.83	318.88	415.71	96.85	318.86
CW-23	Collection Well	418.11	55.89	362.22	418.11	56.77	361.34	418.11	56.76	361.35	418.11	55.93	362.18
MPE-1	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MPE-2	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MPE-3	Monitoring Well	417.65	43.37	374.28	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-1	Monitoring Well	380.73	39.13	341.60	380.73	37.35	343.38	380.73	38.73	342.00	380.73	39.29	341.44
MW-2	Monitoring Well	508.88	68.69	440.19	508.88	71.96	436.92	508.88	71.20	437.68	508.88	68.57	440.31
MW-3	Monitoring Well	541.10	67.13	473.97	541.10	69.22	471.88	541.10	68.75	472.35	541.10	66.38	474.72
MW-5	Monitoring Well	369.71	25.50	344.21	369.71	25.20	344.51	369.71	25.71	344.00	369.71	24.87	344.84
MW-6	Monitoring Well	359.62	18.05	341.57	359.62	12.81	346.81	359.62	17.31	342.31	359.62	18.98	340.64
MW-7	Monitoring Well	359.48	19.15	340.33	359.48	18.29	341.19	359.48	19.31	340.17	359.48	19.40	340.08
MW-8	Monitoring Well	358.09	17.29	340.80	358.09	15.59	342.50	358.09	16.73	341.36	358.09	17.49	340.60
MW-9	Monitoring Well	558.78	32.69	526.09	558.78	33.31	525.47	558.78	33.04	525.74	558.78	31.34	527.44
MW-10	Monitoring Well	567.80	41.37	526.43	567.80	42.44	525.36	567.80	41.74	526.06	567.80	39.75	528.05
MW-11	Monitoring Well	563.08	28.13	534.95	563.08	27.55	535.53	563.08	29.55	533.53	563.08	27.80	535.28
MW-12	Monitoring Well	535.93	34.71	501.22	535.93	37.04	498.89	535.93	36.72	499.21	535.93	35.52	500.41
MW-14	Monitoring Well	519.54	34.00	485.54	519.54	34.31	485.23	519.54	35.65	483.89	519.54	34.37	485.17
MW-15	Monitoring Well	523.95	61.20	462.75	523.95	61.89	462.06	523.95	61.95	462.00	523.95	61.30	462.65
MW-16D	Monitoring Well	516.73	-1.78	518.51A	516.73	-1.50	518.23A	516.73	-2.03	518.76A	516.73	-4.49	521.22A
MW-16S	Monitoring Well	516.60	4.00	512.60	516.60	4.53	512.07	516.60	4.11	512.49	516.60	3.30	513.30
MW-17	Monitoring Well	456.86	15.11	441.75	456.86	16.40	440.46	456.86	16.17	440.69	AB	AB	AB
MW-18D	Monitoring Well	464.52	-6.04	470.56A	464.52	-5.36	469.88A	464.52	-5.06	469.58A	464.52	-6.50	471.02A
MW-18S	Monitoring Well	464.52	-3.12	467.64A	464.52	-3.75	468.27A	464.52	-3.68	468.20A	464.52	-5.40	469.92A
MW-19	Monitoring Well	427.36	23.61	403.75	427.36	25.52	401.84	427.36	24.27	403.09	427.36	23.09	404.27
MW-20D	Monitoring Well	573.85	34.99	538.86	573.85	36.01	537.84	573.85	35.52	538.33	573.85	32.78	541.07
MW-20M	Monitoring Well	574.19	44.32	529.87	574.19	45.31	528.88	574.19	44.71	529.48	574.19	42.35	531.84
MW-20S	Monitoring Well	574.05	44.73	529.32	574.05	45.51	528.54	574.05	44.83	529.22	574.05	42.64	531.41
MW-22	Monitoring Well	447.57	65.07	382.50	447.57	69.90	377.67	447.57	68.72	378.85	447.57	64.04	383.53
MW-26	Monitoring Well	379.44	28.19	351.25	379.44	27.99	351.45	379.44	29.90	349.54	379.44	28.89	350.55
MW-28	Monitoring Well	366.78	25.25	341.53	366.78	23.20	343.58	366.78	24.71	342.07	366.78	25.48	341.30
MW-30	Monitoring Well	362.26	16.31	345.95	362.26	15.32	346.94	362.26	16.78	345.48	362.26	16.02	346.24
MW-31D	Monitoring Well	369.30	20.51	348.79	369.30	21.11	348.19	369.30	21.57	347.73	369.30	20.22	349.08
MW-31S	Monitoring Well	369.28	20.41	348.87	369.28	21.09	348.19	369.28	21.53	347.75	369.28	20.08	349.20
MW-32D	Monitoring Well	366.65	25.00	341.65	366.65	23.00	343.65	366.65	24.47	342.18	366.65	25.22	341.43
MW-32S	Monitoring Well	366.62	25.10	341.52	366.62	23.06	343.56	366.62	24.59	342.03	366.62	25.31	341.31
MW-36D	Monitoring Well	370.96	26.51	344.45	370.96	26.05	344.91	370.96	26.75	344.21	370.96	25.92	345.04
MW-36S	Monitoring Well	370.95	26.16	344.79	370.95	26.14	344.81	370.95	26.74	344.21	370.95	25.63	345.32
MW-37D	Monitoring Well	359.11	18.48	340.63	359.11	16.98	342.13	359.11	17.95	341.16	359.11	18.70	340.41
MW-37S	Monitoring Well	359.13	18.55	340.58	359.13	17.07	342.06	359.13	17.93	341.20	359.13	18.78	340.35

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		MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev
MW-38D	Monitoring Well	358.62	17.93	340.69	358.62	16.63	341.99	358.62	17.85	340.77	358.62	18.25	340.37
MW-39D	Monitoring Well	360.21	20.10	340.11	360.21	19.48	340.73	360.21	20.19	340.02	360.21	20.31	339.90
MW-39S	Monitoring Well	360.14	20.02	340.12	360.14	20.69	339.45	360.14	20.17	339.97	360.14	20.22	339.92
MW-40D	Monitoring Well	374.65	32.82	341.83	374.65	30.26	344.39	374.65	31.72	342.93	374.65	32.91	341.74
MW-40S	Monitoring Well	374.69	32.77	341.92	374.69	29.94	344.75	374.69	31.56	343.13	374.69	32.85	341.84
MW-43D	Monitoring Well	380.08	36.72	343.36	380.08	35.62	344.46	380.08	36.77	343.31	380.08	36.78	343.30
MW-43S	Monitoring Well	379.76	36.54	343.22	379.76	36.11	343.65	379.76	36.82	342.94	379.76	36.25	343.51
MW-45	Monitoring Well	360.57	18.90	341.67	360.57	16.74	343.83	360.57	18.32	342.25	360.57	19.07	341.50
MW-46	Monitoring Well	360.24	18.83	341.41	360.24	16.59	343.65	360.24	18.18	342.06	360.24	19.00	341.24
MW-47	Monitoring Well	360.45	18.88	341.57	360.45	17.19	343.26	360.45	19.06	341.39	360.45	19.20	341.25
MW-49D	Monitoring Well	360.45	17.64	342.81	360.45	16.35	344.10	360.45	17.68	342.77	360.45	17.35	343.10
MW-49S	Monitoring Well	360.44	17.56	342.88	360.44	16.33	344.11	360.44	17.73	342.71	360.44	17.26	343.18
MW-50D	Monitoring Well	363.36	22.42	340.94	363.36	19.56	343.80	363.36	21.95	341.41	363.36	22.32	341.04
MW-50S	Monitoring Well	363.42	21.62	341.80	363.42	21.05	342.37	363.42	22.22	341.20	363.42	22.70	340.72
MW-51D	Monitoring Well	363.11	21.78	341.33	363.11	22.22	340.89	363.11	22.18	340.93	363.11	21.50	341.61
MW-51S	Monitoring Well	363.20	22.76	340.44	363.20	21.79	341.41	363.20	22.88	340.32	363.20	23.00	340.20
MW-57	Monitoring Well	362.30	20.21	342.09	362.30	17.54	344.76	362.30	19.71	342.59	362.30	20.43	341.87
MW-64D	Monitoring Well	416.43	64.86	351.57	416.43	64.92	351.51	416.43	65.81	350.62	416.43	65.44	350.99
MW-64S	Monitoring Well	416.34	41.06	375.28	DRY	DRY	DRY	416.34	40.50	375.84	416.34	38.64	377.70
MW-65D	Monitoring Well	546.80	49.24	497.56	546.80	50.84	495.96	546.80	50.35	496.45	546.80	48.71	498.09
MW-65S	Monitoring Well	546.82	50.30	496.52	546.82	51.91	494.91	546.82	51.41	495.41	546.82	49.79	497.03
MW-66D	Monitoring Well	506.92	41.43	465.49	506.92	43.11	463.81	506.92	42.71	464.21	AB	AB	AB
MW-66S	Monitoring Well	506.73	40.00	466.73	506.73	41.46	465.27	506.73	41.13	465.60	AB	AB	AB
MW-67D	Monitoring Well	446.26	0.65	445.61	446.26	1.80	444.46	446.26	1.82	444.44	446.26	-0.50	446.76A
MW-67S	Monitoring Well	446.26	13.18	433.08	446.26	15.83	430.43	446.26	15.35	430.91	446.26	12.94	433.32
MW-68	Monitoring Well	458.06	7.48	450.58	458.06	8.40	449.66	458.06	8.10	449.96	AB	AB	AB
MW-69	Monitoring Well	411.90	13.79	398.11	411.90	16.81	395.09	411.90	14.91	396.99	411.90	13.40	398.50
MW-70D	Monitoring Well	416.31	25.51	390.80	416.31	28.37	387.94	416.31	27.06	389.25	416.31	25.34	390.97
MW-70S	Monitoring Well	416.21	24.89	391.32	416.21	28.18	388.03	416.21	26.63	389.58	416.21	25.21	391.00
MW-74D	Monitoring Well	359.79	19.79	340.00	359.79	19.18	340.61	359.79	19.85	339.94	359.79	19.41	340.38
MW-74S	Monitoring Well	359.85	19.77	340.08	359.85	19.16	340.69	359.85	19.85	340.00	359.85	19.93	339.92
MW-75D	Monitoring Well	359.85	19.23	340.62	359.85	17.68	342.17	359.85	18.67	341.18	359.85	19.40	340.45
MW-75S	Monitoring Well	359.03	18.44	340.59	359.03	16.92	342.11	359.03	17.93	341.10	359.03	18.65	340.38
MW-77	Monitoring Well	379.48	26.77	352.71	379.48	26.75	352.73	379.48	28.91	350.57	379.48	27.80	351.68
MW-78	Monitoring Well	375.32	24.89	350.43	375.32	26.19	349.13	375.32	26.37	348.95	375.32	24.81	350.51
MW-79	Monitoring Well	375.84	26.03	349.81	375.84	25.86	349.98	375.84	27.07	348.77	375.84	26.16	349.68
MW-80	Monitoring Well	370.29	27.33	342.96	370.29	25.21	345.08	AB	AB	AB	AB	AB	AB
MW-81D	Monitoring Well	366.92	24.96	341.96	366.92	23.11	343.81	366.92	24.65	342.27	366.92	25.14	341.78
MW-81S	Monitoring Well	366.90	25.16	341.74	366.90	23.18	343.72	366.90	24.72	342.18	366.90	25.38	341.52
MW-82	Monitoring Well	382.18	37.96	344.22	382.18	37.80	344.38	382.18	38.20	343.98	382.18	37.36	344.82
MW-84	Monitoring Well	376.53	26.91	349.62	376.53	27.51	349.02	376.53	28.02	348.51	376.53	26.57	349.96
MW-85	Monitoring Well	371.54	14.28	357.26	371.54	25.39	346.15	371.54	15.81	355.73	371.54	21.71	349.83
MW-86D	Monitoring Well	406.56	10.22	396.34	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-86S	Monitoring Well	406.50	11.43	395.07	AB	AB	AB	AB	AB	AB	AB	AB	AB
MW-87	Monitoring Well	370.64	27.81	342.83	370.64	25.90	344.74	AB	AB	AB	AB	AB	AB
MW-88	Monitoring Well	367.93	26.32	341.61	367.93	24.30	343.63	367.93	25.95	341.98	367.93	26.61	341.32
MW-91	Monitoring Well	501.18	59.83	441.35	501.18	62.78	438.40	501.18	62.38	438.80	501.18	59.80	441.38
MW-92	Monitoring Well	476.87	89.76	387.11	476.87	93.73	383.14	476.87	92.66	384.21	476.87	89.18	387.69
MW-93D	Monitoring Well	360.14	19.61	340.53	360.14	18.15	341.99	360.14	19.08	341.06	360.14	19.80	340.34
MW-93S	Monitoring Well	360.76	20.19	340.57	360.76	18.70	342.06	360.76	19.53	341.23	360.76	20.40	340.36
MW-95	Monitoring Well	358.72	18.64	340.08	358.72	18.07	340.65	358.72	18.82	339.90	358.72	18.82	339.90
MW-96D	Monitoring Well	361.00	20.95	340.05	361.00	23.30	337.70	361.00	21.07	339.93	361.00	21.11	339.89
MW-96S	Monitoring Well	361.21	21.20	340.01	361.21	18.50	342.71	361.21	21.26	339.95	361.21	21.37	339.84
MW-97	Monitoring Well	357.39	17.17	340.22	357.39	16.48	340.91	357.39	17.32	340.07	357.39	16.81	340.58
MW-98D	Monitoring Well	361.41	21.77	339.64	361.41	21.29	340.12	361.41	21.65	339.76	361.41	21.37	340.04

TABLE 2.1-1
Site-Wide Water Level and Elevation Data (2022-2025)
Former York Naval Ordnance Plant - York, PA

Well Identification	Well Type	Site-Wide Water Levels											
		9/22/22			9/26/23			9/24/24			9/23/25		
		MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev
MW-98I	Monitoring Well	360.78	22.14	338.64	360.78	21.62	339.16	360.78	22.08	338.70	360.78	21.96	338.82
MW-98S	Monitoring Well	360.77	21.92	338.85	360.77	21.39	339.38	360.77	21.91	338.86	360.77	21.70	339.07
MW-99D	Monitoring Well	359.91	20.69	339.22	359.91	20.15	339.76	359.91	20.69	339.22	359.91	21.65	338.26
MW-99S	Monitoring Well	360.37	21.17	339.20	360.37	20.63	339.74	360.37	21.16	339.21	360.37	21.25	339.12
MW-100D	Monitoring Well	362.14	22.73	339.41	362.14	22.21	339.93	362.14	22.40	339.74	362.14	22.80	339.34
MW-100I	Monitoring Well	361.81	22.40	339.41	361.81	21.80	340.01	361.81	22.72	339.09	361.81	22.55	339.26
MW-100S	Monitoring Well	362.28	22.85	339.43	362.28	22.27	340.01	362.28	22.86	339.42	362.28	23.00	339.28
MW-101D	Monitoring Well	356.22	17.03	339.19	356.22	17.02	339.20	356.22	18.98	337.24	356.22	17.55	338.67
MW-101S	Monitoring Well	356.54	17.47	339.07	356.54	16.90	339.64	356.54	17.37	339.17	356.54	17.15	339.39
MW-102D	Monitoring Well	405.23	14.76	390.47	405.23	17.67	387.56	405.23	16.40	388.83	405.23	12.84	392.39
MW-102S	Monitoring Well	405.41	43.07	362.34	405.41	46.46	358.95	405.41	45.27	360.14	405.41	42.45	362.96
MW-103D	Monitoring Well	401.61	21.22	380.39	401.61	24.02	377.59	401.61	20.60	381.01	401.61	21.61	380.00
MW-103S	Monitoring Well	402.00	18.82	383.18	402.00	21.71	380.29	402.00	22.97	379.03	402.00	19.52	382.48
MW-105	Monitoring Well	362.05	22.03	340.02	362.05	21.34	340.71	362.05	22.10	339.95	362.05	21.15	340.90
MW-106	Monitoring Well	360.15	20.02	340.13	360.15	19.21	340.94	360.15	20.02	340.13	360.15	20.15	340.00
MW-107	Monitoring Well	363.56	23.04	340.52	363.56	21.60	341.96	363.56	22.53	341.03	363.56	23.22	340.34
MW-108D	Monitoring Well	426.35	20.29	406.06	426.35	28.52	397.83	426.35	27.18	399.17	426.35	25.01	401.34
MW-108S	Monitoring Well	425.46	27.61	397.85	425.46	43.30	382.16	425.46	39.79	385.67	425.46	35.43	390.03
MW-109D	Monitoring Well	389.12	37.21	351.91	389.12	36.22	352.90	389.12	37.33	351.79	389.12	37.35	351.77
MW-109S	Monitoring Well	388.39	37.48	350.91	388.39	36.48	351.91	388.39	37.57	350.82	388.39	37.73	350.66
MW-110	Monitoring Well	378.36	27.63	350.73	378.36	26.76	351.60	378.36	27.80	350.56	378.36	27.92	350.44
MW-111	Monitoring Well	433.63	28.68	404.95	433.63	32.47	401.16	433.63	31.06	402.57	433.63	28.86	404.77
MW-112	Monitoring Well	393.52	50.74	342.78	393.52	49.36	344.16	393.52	50.93	342.59	393.52	51.45	342.07
MW-113	Monitoring Well	371.02	28.10	342.92	371.02	26.21	344.81	371.02	28.02	343.00	371.02	28.48	342.54
MW-114	Monitoring Well	366.88	24.70	342.18	366.88	22.82	344.06	366.88	24.43	342.45	366.88	24.84	342.04
MW-115	Monitoring Well	373.30	24.49	348.81	373.30	24.17	349.13	373.30	25.04	348.26	373.30	25.03	348.27
MW-116	Monitoring Well	364.59	19.85	344.74	364.59	19.41	345.18	364.59	19.99	344.60	364.59	19.25	345.34
MW-126	Monitoring Well	371.42	28.08	343.34	371.42	26.43	344.99	371.42	28.04	343.38	371.42	28.42	343.00
MW-127	Monitoring Well	371.55	28.63	342.92	371.55	26.79	344.76	371.55	28.46	343.09	371.55	29.04	342.51
MW-128	Monitoring Well	370.58	27.73	342.85	370.58	25.82	344.76	370.58	27.51	343.07	370.58	28.02	342.56
MW-129	Monitoring Well	361.20	18.69	342.51	361.20	16.07	345.13	361.20	18.35	342.85	361.20	18.79	342.41
MW-131	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-134	Monitoring Well	362.18	19.91	342.27	362.18	18.00	344.18	362.18	19.66	342.52	362.18	20.02	342.16
MW-136A	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-136A (270-348)	Waterloo Monitoring Well	359.78	12.20	347.58	359.78	12.22	347.56	359.78	12.19	347.59	359.78	12.42	347.36
MW-136A (356-356.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-136A (372.5-373)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-136A (434-434.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-136A (459.5-460)	Waterloo Monitoring Well	359.78	24.56	335.22	359.78	22.16	337.62	NM	NM	NM	NM	NM	NM
MW-137A	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-137A (270-306)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-137A (295.5-296)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-137A (343-343.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-137A (374.5-375)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-137A (420-420.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-137A (434.5-435)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-138A	Monitoring Well	370.82	26.10	344.72	370.82	25.85	344.97	370.82	26.1	344.72	370.82	26.51	344.31
MW-139A	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-139A (270-285)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	360.84	8.41	352.43
MW-139A (305-305.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	360.84	8.43	352.41
MW-139A (333.5-334)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	360.84	1.70	359.14
MW-139A (365-365.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-139A (421.5-422)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	360.84	11.40	349.44	360.84	10.31	350.53
MW-139A (454-454.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	360.84	8.62	352.22	360.84	8.41	352.43
MW-140A	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 2.1-1
Site-Wide Water Level and Elevation Data (2022-2025)
Former York Naval Ordnance Plant - York, PA

Well Identification	Well Type	Site-Wide Water Levels											
		9/22/22			9/26/23			9/24/24			9/23/25		
		MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev
MW-140A (209.5-210)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-140A (285-285.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-140A (323.5-324)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-140A (372-372.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-140A (407.5-408)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-141A	Monitoring Well	416.96	48.31	368.65	416.96	53.26	363.70	416.96	52.77	364.19	416.96	50.44	366.52
MW-142D	Monitoring Well	437.78	16.37	421.41	437.78	16.06	421.72	437.78	16.19	421.59	437.78	16.40	421.38
MW-142S	Monitoring Well	437.44	3.84	433.60	437.44	3.41	434.03	437.44	4.00	433.44	437.44	4.11	433.33
MW-143D	Monitoring Well	403.71	11.53	392.18	403.71	11.31	392.40	403.71	11.30	392.41	403.71	9.93	393.78
MW-143S	Monitoring Well	403.56	38.20	365.36	403.56	40.94	362.62	403.56	39.22	364.34	403.56	35.36	368.20
MW-144	Monitoring Well	361.52	22.40	339.12	361.52	21.82	339.70	361.52	22.34	339.18	361.52	22.44	339.08
MW-145A	Monitoring Well	362.44	22.92	339.52	362.44	22.38	340.06	362.44	22.93	339.51	362.44	23.30	339.14
MW-146	Monitoring Well	362.39	22.76	339.63	362.39	22.19	340.20	362.39	22.74	339.65	362.39	22.90	339.49
MW-147A	Monitoring Well	361.25	21.52	339.73	361.25	20.91	340.34	361.25	21.47	339.78	361.25	21.61	339.64
MW-148A (72.5-73)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-148A (136-136.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-148A (218-218.5)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-150	Monitoring Well	366.80	12.68	354.12	366.80	15.86	350.94	366.80	14.35	352.45	366.80	16.34	350.46
MW-151	Monitoring Well	374.11	22.76	351.35	374.11	25.65	348.46	374.11	28.06	346.05	374.11	28.37	345.74
MW-152 (0-10)	Waterloo Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-152 (23-23.5)	Waterloo Monitoring Well	358.92	14.41	344.51	358.92	14.00	344.92	358.92	14.29	344.63	NM	NM	NM
MW-152 (137.5-138)	Waterloo Monitoring Well	358.92	16.67	342.25	358.92	14.56	344.36	358.92	11.16	347.76	358.92	7.36	351.56
MW-155	Monitoring Well	359.92	20.22	339.70	359.92	19.61	340.31	359.92	20.16	339.76	359.92	20.30	339.62
MW-156	Monitoring Well	353.53	13.52	340.01	353.53	12.41	341.12	353.53	13.27	340.26	353.53	13.75	339.78
MW-161	Monitoring Well	415.92	64.40	351.52	415.92	64.37	351.55	415.92	65.22	350.70	415.92	64.91	351.01
MW-162R	Monitoring Well	415.76	70.51	345.25	415.76	71.66	344.10	415.76	71.20	344.56	415.76	69.62	346.14
MW-163	Monitoring Well	419.41	38.92	380.49	419.41	43.94	375.47	419.41	42.32	377.09	419.41	37.83	381.58
MW-164	Monitoring Well	424.50	44.69	379.81	424.50	49.25	375.25	424.50	48.47	376.03	424.50	43.66	380.84
MW-165	Monitoring Well	419.41	48.30	371.11	419.41	50.69	368.72	419.41	50.58	368.83	419.41	47.62	371.79
MW-166	Monitoring Well	402.03	43.78	358.25	402.03	46.19	355.84	402.03	45.00	357.03	402.03	43.13	358.90
MW-167	Monitoring Well	399.07	38.04	361.03	399.07	39.72	359.35	399.07	38.49	360.58	399.07	36.03	363.04
MW-168	Monitoring Well	395.19	24.00	371.19	395.19	24.90	370.29	395.19	25.63	369.56	395.19	22.29	372.90
MW-169	Monitoring Well	389.43	34.50	354.93	389.43	35.57	353.86	389.43	33.93	355.50	389.43	31.63	357.80
MW-170	Monitoring Well	385.60	29.84	355.76	385.60	30.51	355.09	385.60	29.97	355.63	385.60	27.80	357.80
MW-171	Monitoring Well	386.75	35.86	350.89	386.75	35.10	351.65	386.75	36.17	350.58	386.75	36.05	350.70
MW-172	Monitoring Well	385.03	32.38	352.65	385.03	31.63	353.40	NM	NM	NM	385.03	31.38	353.65
MW-173	Monitoring Well	381.57	23.74	357.83	381.57	26.22	355.35	381.57	25.47	356.10	381.57	19.61	361.96
MW-174	Monitoring Well	378.31	27.46	350.85	378.31	27.71	350.60	378.31	27.98	350.33	378.31	27.65	350.66
MW-175	Monitoring Well	376.18	26.53	349.65	376.18	24.76	351.42	376.18	26.41	349.77	376.18	26.75	349.43
MW-176	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-177R	Monitoring Well	415.33	65.91	349.42	415.33	65.96	349.37	415.33	65.93	349.40	415.33	65.89	349.44
MW-178D	Monitoring Well	414.81	83.30	331.51	414.81	83.78	331.03	414.81	83.41	331.40	414.81	82.49	332.32
MW-178S	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	415.11	82.72	332.39
MW-179	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-180	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-181D	Monitoring Well	414.91	58.65	356.26	414.91	59.57	355.34	414.91	59.80	355.11	414.91	58.34	356.57
MW-181S	Monitoring Well	414.86	70.70	344.16	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-182	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-183	Monitoring Well	417.14	46.83	370.31	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-184D	Monitoring Well	416.29	49.21	367.08	416.29	51.42	364.87	416.29	58.89	357.40	416.29	48.79	367.50
MW-184S	Monitoring Well	416.19	50.80	365.39	416.19	52.77	363.42	416.19	52.62	363.57	416.19	50.85	365.34
MW-185	Monitoring Well	514.13	70.68	443.45	514.13	71.66	442.47	514.13	71.64	442.49	514.13	70.61	443.52
MW-186	Monitoring Well	375.11	18.99	356.12	375.11	19.65	355.46	375.11	19.05	356.06	375.11	18.43	356.68
Cole B	Monitoring Well	363.75	15.07	348.68	363.75	14.28	349.47	363.75	15.19	348.56	363.75	15.10	348.65
Cole D	Monitoring Well	370.15	20.50	349.65	370.15	18.87	351.28	370.15	20.70	349.45	370.15	20.59	349.56

TABLE 2.1-1
Site-Wide Water Level and Elevation Data (2022-2025)
Former York Naval Ordnance Plant - York, PA

Well Identification	Well Type	Site-Wide Water Levels											
		9/22/22			9/26/23			9/24/24			9/23/25		
		MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev	MRP	DTW	WL Elev
Cole E deep	Monitoring Well	369.17	20.23	348.94	369.17	18.85	350.32	369.17	19.99	349.18	369.17	20.38	348.79
Cole E shallow	Monitoring Well	369.54	20.66	348.88	369.54	19.30	350.24	369.54	20.40	349.14	369.54	20.70	348.84
Cole F	Monitoring Well	370.39	21.41	348.98	370.39	20.18	350.21	370.39	21.33	349.06	370.39	21.52	348.87
Cole (Flush)	Monitoring Well	361.92	13.79	348.13	361.92	14.10	347.82	361.54	13.85	347.69	361.54	13.80	347.74
GM-1D	Monitoring Well	366.11	17.58	348.53	366.11	16.67	349.44	366.11	17.62	348.49	366.11	17.70	348.41
MW-4 (Cole)	Monitoring Well	367.21	18.95	348.26	367.21	17.98	349.23	367.21	18.95	348.26	367.21	19.00	348.21
Cole Steel MW-12	Monitoring Well	NM	NM	NM	360.79	12.49	348.30	360.79	13.30	347.49	360.79	13.08	347.71
Ru-MW-1	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-2	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-3	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-4R	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-5	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-6	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-7	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-8	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-9	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-10	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-100	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-101	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-102	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Ru-MW-103	Monitoring Well	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Herman (S-7)	Spring	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TATE (S-6)	Spring	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CODORUS 1	Bridge Surface Gaging Point	379.69	39.28	340.41	379.69	40.60	339.09	379.69	40.75	338.94	379.69	39.15	340.54
CODORUS 2	Staff Gage	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
JOHNSON 1	Surface Water	380.32	6.24	374.08	380.32	6.26	374.06	380.32	6.44	373.88	380.32	6.23	374.09
JOHNSON 2	Surface Water	376.79	6.04	370.75	376.79	5.47	371.32	376.79	5.50	371.29	DRY	DRY	DRY
SCP MP-1 (High)	Water Level Measuring Point	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
SCP MP-1 (Low)	Water Level Measuring Point	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RW-2 (Flinchbaugh)	Abandoned Residential Well	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
RW-4 (Folk)	Residential Well	575.93	41.33	534.60	575.93	42.31	533.62	575.93	41.44	534.49	575.93	39.04	536.89
RW-5 (Giambalvo)	Monitoring Well	375.54	32.91	342.63	375.54	30.15	345.39	375.93	32.05	343.88	375.93	33.10	342.83
RW-6 (Kinsley Well)	Monitoring Well	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
WPL-SS-7	Monitoring Well	357.78	16.61	341.17	NM	NM	NM	357.78	15.90	341.88	357.78	17.10	340.68
WPL-SS-8	Monitoring Well	364.40	23.10	341.30	364.40	22.33	342.07	364.40	23.19	341.21	364.40	23.23	341.17
Notes:		Gage measurements represent the water level on the gage MRP = Measurement reference point elevation in feet above mean sea level (AMSL) DTW = Depth to water measurement in feet WL Elev = Water level elevation in feet above mean sea level (AMSL) A = Artesian (water level elevation above MPR and indicated by a "-" in front of the DTW measurement) AB = Abandoned Dry = No water in well NM = Not Measured											

TABLE 2.1-2
Vertical Groundwater Gradient Data for September 23, 2025
Former York Naval Ordnance Plant - York, PA

1 of 2

Well Identification	Elevation TOC (Feet AMSL)	Open Interval (Feet)	Mid-Point Screened Interval (Feet)	Mid-Point Elevation (Feet AMSL)	Difference Between Mid- Points (Feet)	Depth to Water (Feet btoc)	Water Level Elevation (Feet AMSL)	Difference Between Water Level Elevations (Feet)	Vertical Gradient (Feet/Foot)
Former Central Plant Area (CPA)									
MW-32S	366.62	133-148	140.50	226.12	-67.47	25.31	341.31	-0.12	0.002
MW-32D	366.65	196-220	208.00	158.65		25.22	341.43		
MW-49S	360.44	134-158	146.00	214.44	-64.49	17.26	343.18	0.08	-0.001
MW-49D	360.45	201-220	210.50	149.95		17.35	343.10		
MW-81S	366.90	28-43	35.50	331.40	-23.48	25.38	341.52	-0.26	0.011
MW-81D	366.92	52-66	59.00	307.92		25.14	341.78		
Codorus Creek Levee Area									
MW-98S	360.77	58-68	63.00	297.77	-38.49	21.70	339.07	0.25	-0.006
MW-98I	360.78	98-105	101.50	259.28	-47.37	21.96	338.82	-1.22	0.026
MW-98D	361.41	128-171	149.50	211.91		21.37	340.04		
MW-99S	360.37	57.8-74.3	66.05	294.32	-68.16	21.25	339.12	0.86	-0.013
MW-99D	359.91	125.5-142	133.75	226.16		21.65	338.26		
MW-100S	362.28	45-51	48.00	314.28	-15.47	23.00	339.28	0.02	-0.001
MW-100I	361.81	60-66	63.00	298.81	-40.17	22.55	339.26	-0.08	0.002
MW-100D	362.14	93-114	103.50	258.64		22.80	339.34		
MW-101S	356.54	18-40	29.00	327.54	-66.82	17.15	339.39	0.72	-0.011
MW-101D	356.22	76-115	95.50	260.72		17.55	338.67		
Eastern Landfill Area									
MW-65S	546.82	71.3-86	78.65	468.17	-17.37	49.79	497.03	-1.06	0.061
MW-65D	546.80	89-103	96.00	450.80		48.71	498.09		
MW-67S	446.26	12.8-31	21.90	424.36	-42.60	12.94	433.32	-13.44	0.315
MW-67D	446.26	58-71	64.50	381.76		-0.50	446.76		
Former North End of Test Track (NETT)									
MW-70S	416.21	15.8-35	25.40	390.81	-51.00	25.21	391.00	0.03	-0.001
MW-70D	416.31	68-85	76.50	339.81		25.34	390.97		
MW-102S	405.41	41-65	53.00	352.41	-34.18	42.45	362.96	-29.43	0.861
MW-102D	405.23	75-99	87.00	318.23		12.84	392.39		
MW-103S	402.00	62.3-87.5	74.90	327.10	-26.19	19.52	382.48	2.48	-0.095
MW-103D	401.61	94.7-106.7	100.70	300.91		21.61	380.00		
Former North Plant Area									
MW-31S	369.28	12-36	24.00	345.28	-49.48	20.08	349.20	0.12	-0.002
MW-31D	369.30	66-81	73.50	295.80		20.22	349.08		
MW-36S	370.95	18-41	29.50	341.45	-45.49	25.63	345.32	0.28	-0.006
MW-36D	370.96	67-83	75.00	295.96		25.92	345.04		
Northern Property Boundary Area (NPBA)									
MW-16S	516.60	98-110	104.00	412.60	-91.37	3.30	513.30	-7.92	0.087
MW-16D	516.73	190-201	195.50	321.23		-4.49	521.22		
MW-18S	464.52	45-65	55.00	409.52	-80.00	-5.40	469.92	-1.10	0.014
MW-18D	464.52	130-140	135.00	329.52		-6.50	471.02		
MW-20S	574.05	28-61	44.50	529.55	-33.86	42.64	531.41	-0.43	0.013
MW-20M	574.19	72-85	78.50	495.69	-80.84	42.35	531.84	-9.23	0.114
MW-20D	573.85	153-165	159.00	414.85		32.78	541.07		
MW-142S	437.44	56-70	63.00	374.44	-70.36	4.11	433.33	11.95	-0.170
MW-142D	437.78	122-145.4	133.70	304.08		16.40	421.38		
MW-143S	403.56	24-54.5	39.25	364.31	-86.30	35.36	368.20	-25.58	0.296
MW-143D	403.71	117.4-134	125.70	278.01		9.93	393.78		
South Plume Area (SPA)									
MW-40S	374.69	26-47	36.50	338.19	-54.04	32.85	341.84	0.10	-0.002
MW-40D	374.65	78-103	90.50	284.15		32.91	341.74		
MW-43S	379.76	19-48	33.50	346.26	-51.68	36.25	343.51	0.21	-0.004
MW-43D	380.08	79-92	85.50	294.58		36.78	343.30		
MW-152S	358.92	13-30.5	21.75	337.17	-139.50	NM	N/A	N/A	N/A
MW-152D	358.92	122.5-200	161.25	197.67		7.36	351.56		

TABLE 2.1-2
Vertical Groundwater Gradient Data for September 23, 2025
Former York Naval Ordnance Plant - York, PA

Well Identification	Elevation TOC (Feet AMSL)	Open Interval (Feet)	Mid-Point Screened Interval (Feet)	Mid-Point Elevation (Feet AMSL)	Difference Between Mid- Points (Feet)	Depth to Water (Feet btoc)	Water Level Elevation (Feet AMSL)	Difference Between Water Level Elevations (Feet)	Vertical Gradient (Feet/Foot)
Southern Property Boundary Area (SPBA)									
MW-64S	416.34	33-42	37.50	378.84	-34.91	38.64	377.70	26.71	-0.765
MW-64D	416.43	68-77	72.50	343.93		65.44	350.99		
MW-108S	425.46	22.9-55.1	39.00	386.46	-70.61	35.43	390.03	-11.31	0.160
MW-108D	426.35	72-149	110.50	315.85		25.01	401.34		
MW-109S	388.39	42.9-65	53.95	334.44	-39.32	37.73	350.66	-1.11	0.028
MW-109D	389.12	88-100	94.00	295.12		37.35	351.77		
MW-178S	415.11	72-84	78.00	337.11	-17.30	82.72	332.39	0.07	-0.004
MW-178D	414.81	90-100	95.00	319.81		82.49	332.32		
MW-181S	414.86	61-71	66.00	348.86	-30.45	DRY	N/A	N/A	N/A
MW-181D	414.91	93-100	96.50	318.41		58.34	356.57		
MW-184S	416.19	51-59	55.00	361.19	-14.90	50.85	365.34	-2.16	0.145
MW-184D	416.29	66-74	70.00	346.29		48.79	367.50		
Northern - West Parking Lot (WPL)									
MW-39S	360.14	3-30	16.50	343.64	-59.93	20.22	339.92	0.02	0.000
MW-39D	360.21	53-100	76.50	283.71		20.31	339.90		
MW-50S	363.42	104-125	114.50	248.92	-49.06	22.70	340.72	-0.32	0.007
MW-50D	363.36	157-170	163.50	199.86		22.32	341.04		
MW-51S	363.20	34-51	42.50	320.70	-61.59	23.00	340.20	-1.41	0.023
MW-51D	363.11	88-120	104.00	259.11		21.50	341.61		
MW-74S	359.85	175-201	188.00	171.85	-47.06	19.93	339.92	-0.46	0.010
MW-74D	359.79	220-250	235.00	124.79		19.41	340.38		
MW-96S	361.21	27-39	33.00	328.21	-48.46	21.37	339.84	-0.05	0.001
MW-96D	361.00	75-87.5	81.25	279.75		21.11	339.89		
Southern - West Parking Lot (WPL)									
MW-37S	359.13	11-33	22.00	337.13	-111.02	18.78	340.35	-0.06	0.001
MW-37D	359.11	125-141	133.00	226.11		18.70	340.41		
MW-75S	359.03	151-190	170.50	188.53	-37.18	18.65	340.38	-0.07	0.002
MW-75D	359.85	200-217	208.50	151.35		19.40	340.45		
MW-93S	360.76	24-45	34.50	326.26	-113.47	20.40	340.36	0.02	0.000
MW-93D	360.14	134.7-160	147.35	212.79		19.80	340.34		
Notes:	A calculated negative vertical gradient value indicates a downward vertical gradient A calculated positive vertical gradient value indicates an upward vertical gradient A "-" in front of the depth to water measurement indicates the water level is above the top of casing (TOC) Depth to water data collected on September 23, 2025 AMSL = Above mean sea level btoc = Below top of well casing DRY = No water in well N/A = Not applicable NM = Not measured								

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-2 9/25/19 (1)	MW-2 10/7/20 (1)	MW-2 10/1/21 (1)	MW-2 10/4/22 (1)	MW-2 10/3/23 (1)	MW-2 10/1/24 (1)	MW-2 10/3/25 (1)	MW-3 9/11/13 (1)	MW-3 10/14/14 (1)	MW-3 9/21/15 (1)	MW-3 10/7/16 (1)	MW-3 10/24/17 (1)	MW-3 10/1/18 (1)	MW-3 9/30/19 (1)	MW-3 9/29/20 (1)	MW-3 9/28/21 (1)	MW-3 9/29/22 (1)	MW-3 9/29/23 (1)	MW-3 9/30/24 (1)	MW-3 9/26/25 (1)	MW-5 10/9/19 (1)	MW-5 10/8/20 (1)	MW-5 9/27/21 (1/2)	MW-5 12/22/21 (2)	MW-5 3/23/22 (2)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,1-Trichloroethane	200	200	200	8000	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1UJ	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2-Trichloroethane	5	5	5	0.28	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethane	31	160		2.8	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	7	7	7	8.2	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	0.2J	1U	1U	1U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	5	5	5	0.17	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloropropane	5	5	5	0.85	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
2-Butanone	4000	4000		5600	25U	10U	10U	10U	10U	10U	10U	5U	5.0U	5U	5.0U	5U	5U	5.0U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	
2-Hexanone	63	260		38	25U	10U	10U	10U	10U	10U	10U	5U	5.0U	5UJ	5.0U	5U	5U	5.0U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	25U	10U	10U	10U	10U	10U	10U	5U	5.0U	5U	5.0U	5U	5U	5.0U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	
Acetone	31000	88000		18000	25U	20U	20U	20U	20U	20U	20U	5U	5.0U	5U	5.0U	5U	5U	5.0U	20U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	
Benzene	5	5	5	0.46	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromochloromethane	90	90		83	5U	5U	5U	5U	5U	5U	5U	1U	1.0U	1U	1.0U	1U	1U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	
Bromodichloromethane	80	80		0.13	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromoform	80	80		3.3	5U	4U	4U	4U	4U	4U	4U	1U	1.0U	1U	1.0U	1U	1U	1.0U	4U	4U	4U	4U	4U	4U	1U	4U	4U	4U	4U	
Bromomethane	10	10		7.5	5U	1U	1U	1U	1U	1U	1UJ	1UJ	1U	1.0U	1U	1.0U	1UJ	1U	1.0U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	5U	5UJ	5U	1U	1.0U	1U	1.0U	1U	1U	1.0U	5U	5U	5U	5U	5UJ	5U	1U	5U	5U	5U	5U	
Carbon Tetrachloride	5	5	5	0.46	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chlorobenzene	100	100	100	78	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chlorodibromomethane	80	80		0.87	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chloroethane	21000	88000		8300	5U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroform	80	80		0.22	5U	1U	1U	1U	0.33J	1U	1U	2.9	2.6	2.2	2.4	2.2	2.2	1.2	1.5	1.5	1.1	1.3	1.2	1.6	1U	1U	1U	1U	1U	
Chloromethane	30	30		190	5U	1U	1U	2U	2U	2U	2U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	2U	2U	2U	2U	1U	1U	1U	1U	1U	
cis-1,2-Dichloroethene	70	70	70	25	5U	1U	1U	1U	1U	1U	1U	0.66J	0.75J	0.63J	0.73J	0.82J	0.82J	1.0U	0.66J	0.61J	0.52J	0.53J	0.57J	0.49J	3.4	4.6	4.7	4.6	3.4	
cis-1,3-Dichloropropene	6.5	27		0.47	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Ethylbenzene	700	700	700	1.5	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methyl tert-butyl ether	20	20		14	5U	1U	1U	1U	1U	1U	1U	0.26J	0.23J	0.19J	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methylene chloride	5	5	5	11	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Styrene	100	100	100	1200	5U	5U	5U	5U	5U	5U	5U	1U	1.0U	1U	1.0U	1U	1U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	
Tetrachloroethene	5	5	5	11	61	110	81	68	110	69	61	0.47J	0.33J	0.39J	0.54J	1U	1U	1.0U	0.31J	0.3J	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Toluene	1000	1000	1000	1100	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
trans-1,2-Dichloroethene	100	100	100	68	5U	5U	1U	2U	2U	2U	2U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	2U	2U	2U	2U	1U	0.31J	1U	1U	1U	
trans-1,3-Dichloropropene	6.5	27		0.47	5U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Trichloroethene	5	5	5	0.49	5U	1U	0.62J	0.7J	1.1	0.6J	0.41J	32	31	31	28	32	18	4.2	2.8	3.1	2.0	2.2	1.7	1.9	1U	0.42J	0.36J	0.38J	1U	
Vinyl Chloride	2	2	2	0.019	5U	1U	1U	1U	1U	1UJ	1U	1U	1.0U	1U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	
Xylenes (Total)	10000	10000	10000	190	10U	6U	1U	1U	1U	1U	1U	3U	3.0U	3U	2.0U	2U	2U	2.0U	6U	1U	1U	1U	1U	1U	2U	1U	1U	1U	1U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-5 6/22/22 (2)	MW-5 9/27/22 (1/2)	MW-5 12/20/22 (2)	MW-5 3/21/23 (2)	MW-5 6/20/23 (2)	MW-5 9/27/23 (1/2)	MW-5 12/19/23 (2)	MW-5 3/19/24 (2)	MW-5 6/25/24 (2)	MW-5 9/25/24 (1/2)	MW-5 12/17/24 (2)	MW-5 3/26/25 (2)	MW-5 6/24/25 (2)	MW-5 9/24/25 (1/2)	MW-5 12/22/25 (2)	MW-6 10/9/19 (1)	MW-6 10/9/20 (1)	MW-6 9/27/21 (1/2)	MW-6 12/21/21 (2)	MW-6 3/23/22 (2)	MW-6 6/22/22 (2)	MW-6 9/26/22 (1/2)	MW-6 12/20/22 (2)	MW-6 3/21/23 (2)	MW-6 6/20/23 (2)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	1U	0.19J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1U	0.21J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U
2-Hexanone	63	260		38	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Acetone	31000	88000		18000	20U	20U	20U	20UJ	20U	20U	5U	20U	20U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	20U	20U	20UJ	20U
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	5U	5U	5U	5U	5U	5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	4U	4U	4U	4U	4U	1U	4U	4U	4UJ	4UJ	4U	4UJ	4U	4U	1U	4U	4U	4U	4U	4U	4U	4U	4U	4U
Bromomethane	10	10		7.5	1U	1U	1UJ	1U	1U	1U	0.5U	1U	1UJ	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5UJ	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	30	30		190	1U	2U	2U	2U	2U	2U	0.5U	2U	2UJ	2U	2U	2U	2U	2U	2UJ	1U	1U	1U	1U	1U	1U	1U	2U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	2.3	3.9	6.0	4.4	3.1	4.0	4.8	1.8	2.5	3.7	3.9	4	1.5	2.5	3.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	5U	5U	5U	5U	5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	1U	2U	2U	2U	2U	2U	0.26J	2U	2U	2U	2U	2U	2U	2U	2U	1U	5U	1U	1U	1U	1U	2U	2U	2U	2U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	1U	0.32J	0.43J	1U	1U	0.46J	0.47J	1U	1U	1U	1U	1U	1U	1U	0.32J	1U	0.21J	1U	1U	1U	1U	1U	1U	1U	1U
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1U	1U	0.1J	1U	1UJ	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	1U	1U	1U	1U	1U	1U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
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J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-6 9/27/23 (1/2)	MW-6 12/19/23 (2)	MW-6 3/19/24 (2)	MW-6 6/25/24 (2)	MW-6 9/26/24 (1/2)	MW-6 12/17/24 (2)	MW-6 3/26/25 (2)	MW-6 6/24/25 (2)	MW-6 9/24/25 (1/2)	MW-6 12/22/25 (2)	MW-9 9/12/13 (1)	MW-9 10/16/14 (1)	MW-9 9/22/15 (1)	MW-9 10/10/16 (1)	MW-9 10/20/17 (1)	MW-9 10/3/18 (1)	MW-9 10/3/19 (1)	MW-9 9/29/20 (1)	MW-9 9/30/21 (1)	MW-9 Dup 9/29/22 (1)	MW-9 9/29/22 (1)	MW-9 10/2/23 (1)	MW-9 Dup 9/27/24 (1)	MW-9 9/27/24 (1)	MW-9 9/29/25 (1)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	25U	5.0UJ	5.0U	5U	5.0U	5U	5.0U	10U	10U	10U	10U	10U	10U	10U	10U	10U
2-Hexanone	63	260		38	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	25U	5.0UJ	5UJ	5U	5.0U	5U	5.0U	10U	10U	10U	10U	10U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	25U	5.0UJ	5UJ	5U	5.0U	5U	5.0U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Acetone	31000	88000		18000	20U	5U	20U	20U	20U	20U	20U	20U	20U	20U	25U	5.0UJ	5.0U	5U	5.0U	5U	5.0U	20U	20U	20U	20U	20U	20U	20U	20U	20U
Benzene	5	5	5	0.46	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	1U	4U	4U	4UJ	4UJ	4U	4UJ	4U	4U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	4U	4U	4U	4U	4U	4U	4U	4UJ	4U
Bromomethane	10	10		7.5	1U	0.5U	1U	1UJ	1U	1U	1U	1U	1U	1UJ	5U	1.0UJ	1.0U	1U	1.0UJ	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Carbon Disulfide	1500	6200		810	5U	1U	5U	5U	5U	5U	5UJ	5U	5U	5U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	0.5U	1U	1U	1U	1UJ	1U	1UJ	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ
Chlorobenzene	100	100	100	78	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1UJ	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	0.5U	1U	1U	1U	1U	1U	1U	0.9J	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	30	30		190	2U	0.5U	2U	2UJ	2U	2U	2U	2U	2U	2UJ	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	2U	2U	2U	2U	2U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	32	30J	36	34	27	33	20	19	15	34	34	18	16	15	18	
cis-1,3-Dichloropropene	6.5	27		0.47	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1UJ	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	0.22J	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1000	1000	1000	1100	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	2U	0.5U	2U	2U	2U	2U	2U	2U	2U	2U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	2U	2U	2U	2U	2U	2U	2U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	5U	1.0UJ	1.0U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	44	41J	29	19	20	27	5.6J	5.4	4.2	10	10	5.0	4.2	4.0	1U	1U
Vinyl Chloride	2	2	2	0.019	1U	0.5U	1U	1UJ	1U	1U	1U	1U	1U	1UJ	5U	1.0UJ	5.0	5.6	3.7	1.7	2.9J	1.6	2.4	0.38J	0.37J	1U	0.48J	0.45J	0.44J	1U
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	15U	3.0UJ	3.0U	2U	2.0U	2U	2.0U	6U	1U	1U	1U	1U	1U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-12 9/12/13 (1)	MW-12 10/17/14 (1)	MW-12 9/22/15 (1)	MW-12 10/12/16 (1)	MW-12 10/25/17 (1)	MW-12 10/3/18 (1)	MW-12 10/1/19 (1)	MW-12 10/2/20 (1)	MW-12 10/5/21 (1)	MW-12 9/29/22 (1)	MW-12 10/4/23 (1)	MW-12 10/1/24 (1)	MW-12 9/30/25 (1)	MW-14 9/27/19 (1)	MW-14 9/29/20 (1)	MW-14 9/28/21 (1)	MW-14 9/27/22 (1)	MW-14 9/29/23 (1)	MW-14 9/27/24 (1)	MW-14 9/26/25 (1)	MW-16S 9/10/13 (1)	MW-16S 10/22/14 (1)	MW-16S 9/23/15 (1)	MW-16S Dup 10/11/16 (1)	MW-16S 10/11/16 (1)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,1,1-Trichloroethane	200	200	200	8000	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.28	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,1-Dichloroethane	31	160		2.8	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,1-Dichloroethene	7	7	7	8.2	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,2-Dichloroethane	5	5	5	0.17	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
1,2-Dichloropropane	5	5	5	0.85	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
2-Butanone	4000	4000		5600	25 U	5.0 UJ	5 UJ	15 U	10 U	5 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	130 U	5.0 U	5.0 U	5 U	5 U	
2-Hexanone	63	260		38	25 U	5.0 UJ	5 UJ	15 U	10 U	5 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	130 U	5.0 U	5.0 U	5 U	5 U	
4-Methyl-2-Pentanone	2800	7800		6300	25 U	5.0 UJ	5 UJ	15 U	10 U	5 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	130 U	5.0 U	5.0 U	5 U	5 U	
Acetone	31000	88000		18000	25 U	5.0 UJ	5.0 U	15 U	10 U	5 U	25 U	0.73 J	20 U	20 U	20 U	20 U	20 UJ	5 U	20 U	20 U	20 U	20 U	20 U	20 U	130 U	5.0 U	5.0 U	5 U	5 U	
Benzene	5	5	5	0.46	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Bromochloromethane	90	90		83	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 UJ	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	1.0 U	1.0 U	1 U	1 U	
Bromodichloromethane	80	80		0.13	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Bromoform	80	80		3.3	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	4 U	4 U	4 U	4 U	4 U	4 UJ	4 U	25 U	1.0 U	1 UJ	1 U	1 U
Bromomethane	10	10		7.5	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Carbon Disulfide	1500	6200		810	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	5 U	5 U	5 U	5 U	5 UJ	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	1.0 U	1.0 U	1 U	1 U	
Carbon Tetrachloride	5	5	5	0.46	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Chlorobenzene	100	100	100	78	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Chlorodibromomethane	80	80		0.87	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Chloroethane	21000	88000		8300	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Chloroform	80	80		0.22	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.29 J	0.45 J	0.92 J	0.87 J	0.33 J	0.35 J	6.2 J	1.0 U	1.0 U	1 U	1 U
Chloromethane	30	30		190	5 U	1.0 UJ	1.0 U	3.0 U	2 UJ	1 U	5.0 U	1 U	1 U	2 UJ	2 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	25 U	1.0 U	0.28 J	1 U	1 U	
cis-1,2-Dichloroethene	70	70	70	25	42	47 J	52	58	46	56	47 J	64	65	63	66	75	74	1 U	1 U	1 U	1 U	1 U	1 U	1 U	40	38	42	35	37	
cis-1,3-Dichloropropene	6.5	27		0.47	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1 UJ	1 U	1 U	
Ethylbenzene	700	700	700	1.5	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Methyl tert-butyl ether	20	20		14	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Methylene chloride	5	5	5	11	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	12 J	1.0 U	1.0 U	1 U	1 U	
Styrene	100	100	100	1200	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	25 U	1.0 U	1.0 U	1 U	1 U	
Tetrachloroethene	5	5	5	11	4.7 J	5.4 J	6.4	4.3	2.7	4.1	3.0 J	3.6	3.9	2.9	3	3.2	3.2	4.1	3.8	1.8	5.6	2.0	2.9	7.6	450	110	6.7	50	48	
Toluene	1000	1000	1000	1100	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
trans-1,2-Dichloroethene	100	100	100	68	2.3 J	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	5 U	1 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	25 U	1.0 U	1.0 U	1 U	1 U	
trans-1,3-Dichloropropene	6.5	27		0.47	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Trichloroethene	5	5	5	0.49	130	90 J	120	93	61	67	57	80	75	64	63	55	58	1 U	0.43 J	0.6 J	0.47 J	0.53 J	1 U	0.51 J	19 J	9.3	5.6	6	6.2	
Vinyl Chloride	2	2	2	0.019	5 U	1.0 UJ	1.0 U	3.0 U	2 U	1 U	5.0 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	1.0 U	1.0 U	1 U	1 U	
Xylenes (Total)	10000	10000	10000	190	15 U	3.0 UJ	3.0 U	6.0 U	4 U	2 U	10 U	6 U	1 U	1 U	1 U	1 U	1 U	2 U	6 U	1 U	1 U	1 U	1 U	1 U	75 U	3.0 U	3.0 U	3.0 U	2 U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-16S 10/25/17 (1)	MW-16S 10/2/18 (1)	MW-16S 10/3/19 (1)	MW-16S 10/5/20 (1)	MW-16S 9/30/21 (1)	MW-16S 9/29/22 (1)	MW-16S 10/2/23 (1)	MW-16S 10/4/24 (1)	MW-16S 9/30/25 (1)	MW-18D 9/10/13 (1)	MW-18D 10/23/14 (1)	MW-18D 9/24/15 (1)	MW-18D 10/7/16 (1)	MW-18D Dup 10/26/17 (1)	MW-18D 10/26/17 (1)	MW-18D 10/3/18 (1)	MW-18D 10/1/19 (1)	MW-18D 10/5/20 (1)	MW-18D Dup 10/4/21 (1)	MW-18D 10/4/21 (1)	MW-18D 9/30/22 (1)	MW-18D 10/4/23 (1)	MW-18D 10/2/24 (1)	MW-18D 10/1/25 (1)	MW-18S 9/9/13 (1)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1,1-Trichloroethane	200	200	200	8000	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1,2-Trichloroethane	5	5	5	0.28	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1-Dichloroethane	31	160		2.8	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1-Dichloroethene	7	7	7	8.2	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,2-Dichloroethane	5	5	5	0.17	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
1,2-Dichloropropane	5	5	5	0.85	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
2-Butanone	4000	4000		5600	10 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U
2-Hexanone	63	260		38	10 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U
4-Methyl-2-Pentanone	2800	7800		6300	10 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	25 U
Acetone	31000	88000		18000	10 U	5 U	5.0 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5.0 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	25 U
Benzene	5	5	5	0.46	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Bromochloromethane	90	90		83	2 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	80	80		0.13	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Bromoform	80	80		3.3	2 U	1 U	1.0 U	4 U	4 U	4 U	4 U	4 U	4 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	5 U
Bromomethane	10	10		7.5	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Carbon Disulfide	1500	6200		810	2 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5	5	0.46	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chlorobenzene	100	100	100	78	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chlorodibromomethane	80	80		0.87	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chloroethane	21000	88000		8300	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chloroform	80	80		0.22	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Chloromethane	30	30		190	2 U	1 U	1.0 U	1 U	1 U	2 U	2 U	2 U	2 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	5 U
cis-1,2-Dichloroethene	70	70	70	25	12	7.4	4.1	5.1	5.0	5.2	6.1	6.3	5	66	14	20	15	16	14	28	14	21	19	19	12	10	7.3	12	71
cis-1,3-Dichloropropene	6.5	27		0.47	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Ethylbenzene	700	700	700	1.5	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Methyl tert-butyl ether	20	20		14	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Methylene chloride	5	5	5	11	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Styrene	100	100	100	1200	2 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5	5	11	1.7 U	1.1	1.0 U	1.9	1 U	0.74 U	0.91 U	0.68 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Toluene	1000	1000	1000	1100	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
trans-1,2-Dichloroethene	100	100	100	68	2 U	1 U	1.0 U	5 U	1 U	2 U	2 U	2 U	2 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	5 U	1 U	1 U	2 U	2 U	2 U	2 U	5 U
trans-1,3-Dichloropropene	6.5	27		0.47	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U
Trichloroethene	5	5	5	0.49	7.7 U	20	15	17	18	16	16	14	14	42	8.1	9.5	5.5	4.7	3.8	6.6	3.0	3.6	2.9	2.9	1.9	1.7	1.3	0.94 U	45
Vinyl Chloride	2	2	2	0.019	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6 U	0.58 U	0.60 U	0.53 U	1 U	1 U	1 U	1.0 U	0.37 U	0.39 U	0.38 U	1 U	1 U	1 U	1 U	1.7 U
Xylenes (Total)	10000	10000	10000	190	4 U	2 U	2.0 U	6 U	1 U	1 U	1 U	1 U	1 U	15 U	3.0 U	3.0 U	2.0 U	4.0 U	2 U	2 U	2.0 U	15 U	15 U	1 U	1 U	1 U	1 U	1 U	15 U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-18S 10/23/14 (1)	MW-18S 9/25/15 (1)	MW-18S 10/13/16 (1)	MW-18S 10/27/17 (1)	MW-18S 10/3/18 (1)	MW-18S 10/4/19 (1)	MW-18S 10/2/20 (1)	MW-18S 10/5/21 (1)	MW-18S 9/30/22 (1)	MW-18S 10/4/23 (1)	MW-18S 10/2/24 (1)	MW-18S 9/30/25 (1)	MW-20M 9/13/13 (1)	MW-20M 10/29/14 (1)	MW-20M 9/30/15 (1)	MW-20M 10/14/16 (1)	MW-20M 10/20/17 (1)	MW-20M 10/3/18 (1)	MW-20M 10/1/19 (1)	MW-20M 9/30/20 (1)	MW-20M 9/29/21 (1)	MW-20M 9/29/22 (1)	MW-20M 9/28/23 (1)	MW-20M 9/27/24 (1)	MW-20M 9/26/25 (1)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 UJ	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	31	160		2.8	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	8.2	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 UJ	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.85	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	4000	4000		5600	5.0 U	5 U	5.0 U	5 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	63	260		38	5.0 U	5 U	5.0 U	5 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5 UJ	5.0 U	5.0 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2800	7800		6300	5.0 U	5 U	5.0 U	5 U	5 U	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	31000	88000		18000	5.0 U	5 U	5.0 U	5 U	5 U	5.0 U	20 U	20 U	20 U	20 U	20 U	20 UJ	5 U	5.0 U	5.0 U	2.7 J	5.0 U	5 U	10 U	20 U	20 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.46	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	80	80		0.13	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	80	80		3.3	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1.0 U	1 UJ	1.0 U	1.0 U	1 U	2.0 U	4 U	4 U	4 U	4 U	4 UJ	4 U
Bromomethane	10	10		7.5	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 UJ	1.0 U	1.0 UJ	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	1500	6200		810	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	5 U	5 U	0.33 J	5 U	5 U	0.3 J	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5	5	0.46	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	100	100	100	78	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.87	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	21000	88000		8300	1.0 U	1 UJ	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1.0 U	1.0	0.38 J	0.83 J	1.3	2.0 U	0.78 J	0.67 J	0.39 J	0.49 J	0.34 J	1 U
Chloromethane	30	30		190	1.0 U	0.28 J	1.0 U	1 U	1 U	1.0 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 UJ	1 U	1 U	2 UJ	2 U	2 U	2 U
cis-1,2-Dichloroethene	70	70	70	25	7.0	22	3.7	14	26	15	14	16	12	9.0	8.0	9.4	1 U	1.0 U	1.0 U	1.0 U	1.0 U	0.81 J	2.0 U	0.39 J	0.31 J	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	6.5	27		0.47	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		14	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5	5	11	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	100	100	100	1200	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.0 U	1 UJ	1.0 U	1.0 U	1 U	2.0 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5	5	11	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	0.30 J	0.52 J	0.48 J	0.74 J	2.0 U	0.49 J	0.39 J	0.73 J	0.69 J	0.51 J	1 U
Toluene	1000	1000	1000	1100	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	68	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	5 U	1 U	2 U	2 U	2 U	2 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	2 U	2 U	2 U	2 U
trans-1,3-Dichloropropene	6.5	27		0.47	1.0 U	1 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	5.5	11	1.2	4.1	6.8	3.7 J	2.7	2.4	1.7	1.5	1.5	1.2	18	0.85 J	13	4.6	32 J	20	21	25	21	18	15	14	1.5
Vinyl Chloride	2	2	2	0.019	0.34 J	0.57 J	1.0 U	1 U	1 U	1.0 U	0.22 J	0.3 J	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	2.0 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (Total)	10000	10000	10000	190	3.0 U	3 U	2.0 U	2 U	2 U	2.0 U	6 U	1 U	1 U	1 U	1 U	1 U	3 U	3.0 U	3.0 U	3.0 U	2.0 U	2.0 U	2 U	4.0 U	6 U	1 U	1 U	1 U	1 U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date Parameter	PA MSC	PA MSC	Federal	EPA	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-20S	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-22	MW-43D	MW-43D	MW-43D	MW-43D	MW-43D
	UA R (ug/L)	UA NR (ug/L)	MCL (ug/L)	RSL (ug/L)	9/11/13 (1)	10/17/14 (1)	9/24/15 (1)	10/13/16 (1)	10/19/17 (1)	10/2/18 (1)	9/27/19 (1)	9/30/20 (1)	9/29/21 (1)	9/29/22 (1)	9/28/23 (1)	9/27/24 (1)	9/30/25 (1)	9/25/19 (1)	10/5/20 (1)	9/28/21 (1)	9/30/22 (1)	9/29/23 (1)	9/27/24 (1)	9/26/25 (1)	10/11/19 (1)	10/8/20 (1)	10/6/21 (1)	10/6/22 (1)	10/6/23 (1)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	200	200	200	8000	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.28	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	31	160		2.8	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethene	7	7	7	8.2	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane	5	5	5	0.17	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	5	5	5	0.85	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
2-Butanone	4000	4000		5600	25 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 UJ	5 U	10 U	10 U	10 U	10 U	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	
2-Hexanone	63	260		38	25 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	
4-Methyl-2-Pentanone	2800	7800		6300	25 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	5.0 UJ	10 U	10 U	10 U	10 U	
Acetone	31000	88000		18000	25 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5 U	5 U	20 U	20 U	20 U	20 U	20 U	20 U	5 U	20 U	20 U	20 U	20 U	20 U	20 U	5.0 U	20 U	20 U	20 U	20 U	
Benzene	5	5	5	0.46	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Bromochloromethane	90	90		83	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5.0 U	5 U	5 U	5 U	5 U	5 U	1.0 U	5 U	5 U	5 U	5 U	
Bromodichloromethane	80	80		0.13	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Bromoform	80	80		3.3	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	4.0 U	4 U	4 U	4 U	4 U	4 U	1.0 U	4 U	4 U	4 U	4 U	
Bromomethane	10	10		7.5	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Carbon Disulfide	1500	6200		810	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5.0 U	5 U	5 U	5 U	5 U	5 U	1.0 U	5 U	5 U	5 U	5 U	
Carbon Tetrachloride	5	5	5	0.46	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Chlorobenzene	100	100	100	78	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Chlorodibromomethane	80	80		0.87	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Chloroethane	21000	88000		8300	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Chloroform	80	80		0.22	2.8 J	1.7 J	1.8	1.6	1.4	0.86 J	1 U	0.84 J	0.48 J	0.62 J	0.64 J	0.48 J	0.52 J	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Chloromethane	30	30		190	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	2 UJ	2 U	2 U	2 UJ	1 U	1.0 U	1 U	2 U	2 U	2 U	2 U	1.0 U	1 U	1 U	2 U	2 U	
cis-1,2-Dichloroethene	70	70	70	25	5 U	1.6 J	1.2	1	0.95 J	2.2	1 U	0.6 J	1	1 U	0.52 J	1 U	1 U	1 U	0.20 J	1 U	1 U	1 U	1 U	1 U	1 U	7.2	6.3	5.4	4.6	4.1
cis-1,3-Dichloropropene	6.5	27		0.47	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Ethylbenzene	700	700	700	1.5	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Methyl tert-butyl ether	20	20		14	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Methylene chloride	5	5	5	11	3.8 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Styrene	100	100	100	1200	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5.0 U	5 U	5 U	5 U	5 U	5 U	1.0 U	5 U	5 U	5 U	5 U	
Tetrachloroethene	5	5	5	11	2.7 J	5.8 J	3.8	4.3	2.6	17	2.8	2.2	16	1.4	1.6	1.7	2.5	5.2	8.6	2.4	5.5	5.9	4.9	9.3	6.3	5.5	5.6	5.4	4.4	
Toluene	1000	1000	1000	1100	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
trans-1,2-Dichloroethene	100	100	100	68	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	5.0 U	1 U	2 U	2 U	2 U	2 U	1.0 U	5 U	1 U	2 U	2 U	
trans-1,3-Dichloropropene	6.5	27		0.47	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Trichloroethene	5	5	5	0.49	90	110 J	81	48	32	130	14	17	68	11	14	7.7	7.1	4.4	3.2	1.8	2.3	1.8	1.8	1.6	5.1	3.1	4.7	3.1	1.8	
Vinyl Chloride	2	2	2	0.019	5 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	
Xylenes (Total)	10000	10000	10000	190	15 U	3.0 U	3.0 U	2.0 U	2.0 U	2 U	2 U	6 U	1 U	1 U	1 U	1 U	1 U	2 U	6.0 U	1 U	1 U	1 U	1 U	1 U	2.0 U	6 U	1 U	1 U	1 U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
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Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-43D 10/4/24 (1)	MW-43D 10/2/25 (1)	MW-65S 9/27/19 (1)	MW-65S 9/30/20 (1)	MW-65S 9/29/21 (1)	MW-65S 9/29/22 (1)	MW-65S 9/29/23 (1)	MW-65S 10/1/24 (1)	MW-65S 9/26/25 (1)	MW-67D 10/8/19 (1)	MW-67D 10/5/20 (1)	MW-67D 10/1/21 (1)	MW-67D 10/3/22 (1)	MW-67D 9/28/23 (1)	MW-67D 9/30/24 (1)	MW-67D 9/30/25 (1)	MW-67S 10/8/19 (1)	MW-67S 10/5/20 (1)	MW-67S 10/1/21 (1)	MW-67S 9/30/22 (1)	MW-67S 10/6/23 (1)	MW-67S 10/1/24 (1)	MW-67S 9/30/25 (1)	MW-69 10/11/19 (1)	MW-69 10/7/20 (1)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	4.9	4.7	2.6	3.6	10	5.7	5.9	1.0U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.2	1.2	0.43 J	0.94 J	2	1.4	1.5	1.0U	0.26 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
2-Butanone	4000	4000		5600	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5.0U	10U	
2-Hexanone	63	260		38	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5.0U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	5.0UJ	10U	
Acetone	31000	88000		18000	20U	20U	5U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	20UJ	5U	20U	20U	20U	20U	20UJ	5.0U	1.2 J	
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Bromochloromethane	90	90		83	5U	5U	1U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	10UJ	5U	5U	5U	5U	5U	1.0U	5U	
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Bromoform	80	80		3.3	4U	4U	1U	4U	4U	4U	4U	4U	4U	1U	4U	4U	4U	4U	4U	4U	1U	4U	4U	4U	4U	4U	1.0U	4U	
Bromomethane	10	10		7.5	1U	10UJ	1U	1U	1U	1U	1U	10UJ	1U	1U	1U	1U	1U	1U	10UJ	1U	10UJ	1U	1U	1U	1U	10UJ	1U	1.0U	1U
Carbon Disulfide	1500	6200		810	5U	5U	1U	5U	5U	5U	5U	5UJ	5U	1U	5U	5U	5U	5U	5UJ	5U	1U	5U	5U	5U	5U	5UJ	5U	1.0U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Chloroethane	21000	88000		8300	1U	10UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Chloroform	80	80		0.22	1U	1U	0.9 J	1.4	1.5	1.2	1.5	1.1	1.4	1.3	1.2	1.2	1.1	1.3	0.92 J	1.4	1.2	1.1	1.1	0.88 J	1.1	0.77 J	1.2	1.0U	1U
Chloromethane	30	30		190	2U	2UJ	1U	1U	1U	2UJ	2U	2U	2U	1U	1U	1U	2U	2U	2U	2U	1U	1U	1U	2U	2U	2U	1.0U	1U	
cis-1,2-Dichloroethene	70	70	70	25	3.3	2.8	1U	0.24 J	1U	1U	1U	1U	1U	1U	0.33 J	0.33 J	0.34 J	0.35 J	1U	0.34 J	10UJ	0.4 J	0.4 J	0.33 J	0.38 J	1U	0.51 J	8.0	6.2
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Styrene	100	100	100	1200	5U	5U	1U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	1.0U	5U	
Tetrachloroethene	5	5	5	11	4.9	3.7	1.9	2.2	2.4	2.1	1.7	2.0	1.8	1U	0.33 J	0.3 J	0.3 J	1U	1U	1U	1.5	2.0	1.4	1.5	2.5	2.0	1.7	1.0U	0.38 J
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	1U	1U	1U	2U	2U	2U	2U	1U	5U	1U	2U	2U	2U	2U	1U	5U	1U	2U	2U	2U	1.0U	5U	
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	
Trichloroethene	5	5	5	0.49	1.6	1.3	17	12	12	6.4	4.3	1U	2.4	1.0	1.1	1.2	0.92 J	0.88 J	0.67 J	0.88 J	2.2	2.1	1.4	1.4	1.7	1.2	1.6	9.4	9.4
Vinyl Chloride	2	2	2	0.019	1U	10UJ	1U	1U	1U	1U	1U	10UJ	1U	1U	1U	1U	1U	1U	10UJ	1U	1U	1U	1U	1U	1U	10UJ	1U	1.0U	1U
Xylenes (Total)	10000	10000	10000	190	1U	1U	2U	6U	1U	1U	1U	1U	1U	2U	6U	1U	1U	1U	1U	1U	2U	6U	1U	1U	1U	1U	1U	2.0U	6U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-69 10/8/21 (1)	MW-69 10/13/22 (1)	MW-69 10/10/23 (1)	MW-69 10/3/24 (1)	MW-69 10/2/25 (1)	MW-79 10/10/19 (1)	MW-79 10/8/20 (1)	MW-79 10/7/21 (1)	MW-79 10/4/22 (1)	MW-79 10/10/23 (1)	MW-79 10/8/24 (1)	MW-79 10/7/25 (1)	MW-82 10/8/19 (1)	MW-82 10/8/20 (1)	MW-82 10/8/21 (1)	MW-82 10/7/22 (1)	MW-82 10/10/23 (1)	MW-82 10/4/24 (1)	MW-82 10/6/25 (1)	MW-88 10/10/19 (1)	MW-88 10/9/20 (1)	MW-88 9/27/21 (1/2)	MW-88 12/22/21 (2)	MW-88 3/23/22 (2)	MW-88 6/22/22 (2)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	2.9	1.8	1.8	1.3	1.3	1.2	1.7	1U	0.22 J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U
2-Hexanone	63	260		38	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U
Acetone	31000	88000		18000	20U	20U	20U	20U	20U	5.0U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	4U	4U	4U	4U	1.0U	4U	4U	4U	4U	4U	4U	1U	4U	4U	4U	4U	4U	4U	4U	1U	4U	4U	4U	4U
Bromomethane	10	10		7.5	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	30	30		190	1U	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	1U	1U	1U	2U	2U	2U	2U	2U	1U	1U	1U	1U	1U
cis-1,2-Dichloroethene	70	70	70	25	3.5	4.7	3.9	5.4	2.8	6.2	2.3	1.7	1.0	1.3	0.65 J	1.7	2.4	1.6	1.3	1.3	1.3	1.0	0.79 J	1U	1U	0.37 J	0.87 J	0.78 J	1.8
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	0.3 J	1U	1U	0.33 J	1U	1.0U	1U	1U	1U	1U	1U	1U	1.1	1.4	1.5	1.8	1.4	1.3	1.2	1	0.57 J	4.5	5.2	4.6	11
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	1U	2U	2U	2U	2U	1.0U	5U	1U	2U	2U	2U	2U	1U	5U	1U	2U	2U	2U	2U	2U	1U	5U	1U	1U	1U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	5.5	4.8	3.8	4.3	2.3	1.0U	0.42 J	1U	0.35 J	0.37 J	0.32 J	1U	1.9	1.3	1.3	1.2	1.2	0.94 J	0.76 J	1U	0.35 J	2.2	1.7	1.3	2.4
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	1U	2.0U	6U	1U	1U	1U	1U	1U	2U	6U	1U	1U	1U	1U	1U	2U	1U	1U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
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(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

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Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-88 9/27/22 (1/2)	MW-88 12/20/22 (2)	MW-88 3/21/23 (2)	MW-88 6/20/23 (2)	MW-88 9/27/23 (1/2)	MW-88 12/19/23 (2)	MW-88 3/19/24 (2)	MW-88 6/25/24 (2)	MW-88 9/25/24 (1/2)	MW-88 12/17/24 (2)	MW-88 3/26/25 (2)	MW-88 6/24/25 (2)	MW-88 9/24/25 (1/2)	MW-88 12/22/25 (2)	MW-101D 10/14/19 (1)	MW-101D 10/13/20 (1)	MW-101D 9/27/21 (1/2)	MW-101D 12/22/21 (2)	MW-101D 3/23/22 (2)	MW-101D 6/22/22 (2)	MW-101D 9/27/22 (1/2)	MW-101D 12/20/22 (2)	MW-101D 3/21/23 (2)	MW-101D 6/20/23 (2)	MW-101D 9/27/23 (1/2)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	0.4J	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
2-Hexanone	63	260		38	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Acetone	31000	88000		18000	20U	20U	20UJ	20U	20U	5U	20U	20U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	20U	20U	20UJ	20U	20U
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	0.33J	1U	1U	1U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	5U	5U	5U	5U	5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	4U	4U	4U	4U	1U	4U	4U	4UJ	4UJ	4U	4UJ	4U	4U	1U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U
Bromomethane	10	10		7.5	1U	1UJ	1U	1U	1U	0.5U	1U	1UJ	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5UJ	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	0.52J	0.43J	0.48J	0.35J	0.39J	0.42J	0.47J	1U	1U	1U
Chloromethane	30	30		190	2U	2U	2U	2U	2U	0.5U	2U	2UJ	2U	2U	2U	2U	2U	2UJ	1U	1U	1U	1U	1U	1U	2U	2U	2U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	1U	0.78J	0.88J	1.6	1U	0.17J	0.95J	0.67J	1U	1U	0.63J	0.42J	1U	1.1	12	11	13	9.9	8.0	9.1	8.9	8.8	9.0	6.5	8.4
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	5U	5U	5U	5U	0.5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	0.89J	4.9	8.0	17	0.63J	2.5	8.2	10	1.6	3.5	11	19	7.7	22	4.4	6	3.9	4.6	4.1	4.1	3.9	5.6	3.1	3.2	3.6
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	2U	2U	2U	0.5U	2U	2U	2U	2U	2U	2U	2U	2U	1U	5U	1U	1U	1U	1U	2U	2U	2U	2U	2U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	0.5U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	0.44J	0.85J	1.4	1.8	1U	0.33J	1.6	1.2	1U	0.54J	1.5	0.63J	0.64J	1.7	7.9	7.7	5.9	6.5	5.3	6.1	4.5	5.3	3.9	3.7	4.1
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1U	0.5U	1U	1UJ	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date Parameter	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-101D 12/19/23 (2)	MW-101D 3/19/24 (2)	MW-101D 6/25/24 (2)	MW-101D 9/26/24 (1/2)	MW-101D 12/17/24 (2)	MW-101D 3/26/25 (2)	MW-101D 6/24/25 (2)	MW-101D 9/24/25 (1/2)	MW-101D 12/22/25 (2)	MW-101S 10/14/19 (1)	MW-101S 10/13/20 (1)	MW-101S 9/27/21 (1/2)	MW-101S 12/22/21 (2)	MW-101S 3/23/22 (2)	MW-101S 6/22/22 (2)	MW-101S 9/27/22 (1/2)	MW-101S 12/20/22 (2)	MW-101S 3/21/23 (2)	MW-101S 6/20/23 (2)	MW-101S 9/27/23 (1/2)	MW-101S 12/19/23 (2)	MW-101S 3/19/24 (2)	MW-101S 6/25/24 (2)	MW-101S 9/26/24 (1/2)	MW-101S 12/17/24 (2)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	0.5 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 UJ
1,1,1-Trichloroethane	200	200	200	8000	0.088 J	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.1 J	1 U	1 U	1 U	1 UJ
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	5	5	5	0.28	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	31	160		2.8	0.23 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	7	7	7	8.2	0.2 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	5	5	5	0.17	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	5	5	5	0.85	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
2-Butanone	4000	4000		5600	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U
2-Hexanone	63	260		38	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	2800	7800		6300	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U
Acetone	31000	88000		18000	5 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	5 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ	20 U	5 U	20 U	20 U	20 U	20 U
Benzene	5	5	5	0.46	0.5 U	1 U	1 U	1.6	0.65 J	0.54 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Bromochloromethane	90	90		83	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	80	80		0.13	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Bromoform	80	80		3.3	1 U	4 U	4 U	4 UJ	4 UJ	4 U	4 UJ	4 U	4 U	1 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	4 U	4 U	4 UJ	4 UJ
Bromomethane	10	10		7.5	0.5 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	0.5 U	1 U	1 UJ	1 U	1 U
Carbon Disulfide	1500	6200		810	1 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	5	5	0.46	0.5 U	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 UJ
Chlorobenzene	100	100	100	78	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	80	80		0.87	0.5 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 UJ
Chloroethane	21000	88000		8300	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Chloroform	80	80		0.22	0.34 J	1 U	1 U	1 U	1 U	1 U	1 U	0.34 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Chloromethane	30	30		190	0.5 U	2 U	2 UJ	1 U	2 U	2 U	2 U	2 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	0.5 U	2 U	2 UJ	2 U	2 U
cis-1,2-Dichloroethene	70	70	70	25	8.6	8.0	8.1	6.8	6.8	7	6.7	6.8	6.8	1.2	0.93 J	1 U	0.7 J	0.34 J	0.3 J	0.65 J	0.48 J	0.31 J	1 U	0.52 J	0.18 J	1 U	0.46 J	0.42 J	0.50 J
cis-1,3-Dichloropropene	6.5	27		0.47	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Ethylbenzene	700	700	700	1.5	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	20	20		14	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5	5	11	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Styrene	100	100	100	1200	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5	5	11	4.4	3.2	4.1	3.9	3.8	3.1	2.7	4.4	4	4.5 J	5	1.1	3.0	2.0	1.9	3.8	4.2	2.7	2.4	3.3	1.9	1.7	2.7	3.7	3.7
Toluene	1000	1000	1000	1100	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	100	100	100	68	0.5 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	5 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	0.5 U	2 U	2 U	2 U	2 U
trans-1,3-Dichloropropene	6.5	27		0.47	0.5 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5	5	0.49	4.9	3.8	3.9	4.2	4.1	3.4	3.5	4.2	3.6	1.2	1.2	1 U	0.74 J	0.42 J	0.38 J	0.76 J	0.64 J	0.46 J	1 U	0.62 J	0.32 J	0.34 J	0.52 J	0.63 J	0.62 J
Vinyl Chloride	2	2	2	0.019	0.5 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 UJ	1 U	1 U
Xylenes (Total)	10000	10000	10000	190	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
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Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-101S 3/26/25 (2)	MW-101S 6/24/25 (2)	MW-101S 9/24/25 (1/2)	MW-101S 12/22/25 (2)	MW-108D 9/24/19 (1)	MW-108D 10/7/20 (1)	MW-108D 9/29/21 (1)	MW-108D 9/26/22 (1)	MW-108D 9/28/23 (1)	MW-108D 9/26/24 (1)	MW-108D 9/25/25 (1)	MW-108S 9/25/19 (1)	MW-108S 10/9/20 (1)	MW-108S 9/30/21 (1)	MW-108S 9/28/22 (1)	MW-108S 9/29/23 (1)	MW-108S 9/27/24 (1)	MW-108S 9/26/25 (1)	MW-110 9/24/19 (1)	MW-110 Dup 9/30/20 (1)	MW-110 9/30/20 (1)	MW-110 10/5/21 (1)	MW-110 10/5/22 (1)	MW-110 Dup 10/6/23 (1)	MW-110 10/6/23 (1)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
2-Butanone	4000	4000		5600	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	
2-Hexanone	63	260		38	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	
Acetone	31000	88000		18000	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromochloromethane	90	90		83	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromoform	80	80		3.3	4U	4UJ	4U	4U	1U	4U	4U	4U	4U	4UJ	4U	1U	4U	4U	4U	4U	4U	4UJ	4U	1U	4U	4U	4U	4U	4U	
Bromomethane	10	10		7.5	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Carbon Disulfide	1500	6200		810	5UJ	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	
Carbon Tetrachloride	5	5	5	0.46	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chloroethane	21000	88000		8300	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chloroform	80	80		0.22	1U	1U	1U	1U	1U	0.39 J	0.39 J	0.39 J	0.35 J	1U	1U	1U	1U	1U	0.39 J	3.9	3.7	2.4	1U	0.59 J	0.58 J	0.52 J	0.73 J	0.74 J	0.75 J	
Chloromethane	30	30		190	2U	2U	2U	2UJ	1U	1U	1U	2U	2U	2U	2U	1U	1U	1U	2U	2U	2U	2U	2U	1U	1U	1U	1U	2U	2U	
cis-1,2-Dichloroethene	70	70	70	25	0.31 J	1U	0.39 J	0.43 J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Styrene	100	100	100	1200	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	
Tetrachloroethene	5	5	5	11	3	1.6	4.2	4.1	0.48 J	0.33 J	0.32 J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	23 J	21	21	21	18	14	
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	2U	2U	1U	5U	1U	2U	2U	2U	2U	1U	5U	1U	2U	2U	2U	2U	2U	1U	1U	1U	1U	2U	2U	
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Trichloroethene	5	5	5	0.49	0.5 J	0.31 J	0.61 J	0.63 J	1U	0.29 J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	0.71 J	0.56 J	0.55 J	0.48 J	0.43 J	0.38 J	0.45 J
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	2U	6U	1U	1U	1U	1U	1U	2U	6U	1U	1U	1U	1U	1U	1U	2U	1U	6U	1U	1U	1U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-110 10/3/24 (1)	MW-110 10/2/25 (1)	MW-111 10/9/19 (1)	MW-111 10/12/20 (1)	MW-111 10/11/21 (1)	MW-111 10/6/22 (1)	MW-111 10/4/23 (1)	MW-111 10/2/24 (1)	MW-111 10/2/25 (1)	MW-112 10/8/19 (1)	MW-112 10/9/20 (1)	MW-112 Dup 10/8/21 (1)	MW-112 10/8/21 (1)	MW-112 Dup 10/7/22 (1)	MW-112 10/7/22 (1)	MW-112 10/10/23 (1)	MW-112 Dup 10/7/24 (1)	MW-112 10/7/24 (1)	MW-112 Dup 10/6/25 (1)	MW-112 10/6/25 (1)	MW-115 10/10/19 (1)	MW-115 10/12/20 (1)	MW-115 10/8/21 (1)	MW-115 10/6/22 (1)	MW-115 10/10/23 (1)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	20	13	13	13	10
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1.0U	0.36 J	0.56 J	0.64 J	0.49 J	0.47 J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	3.1	2	2.6	1.9	1.4
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.5	1.3	1.2	1.1	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U
2-Hexanone	63	260		38	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U
Acetone	31000	88000		18000	20U	20U	5.0U	20U	20U	20U	20U	20U	20U	5U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	4.2 J	20U	20U	20U	20U
Benzene	5	5	5	0.46	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	9.3	8.4	8.8	7.3	5.3
Bromochloromethane	90	90		83	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	4U	1.0U	4U	4U	4U	4U	4U	4U	1U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	1.0U	4U	4U	4U	4U
Bromomethane	10	10		7.5	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Carbon Disulfide	1500	6200		810	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	0.69 J	0.83 J	0.64 J	0.52 J
Chloroform	80	80		0.22	0.74 J	0.68 J	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	0.47 J	0.48 J	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Chloromethane	30	30		190	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	1U	1U	1U	1U	2U	2U	2U	2U	2U	2U	2U	1.0U	1U	1U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	2.7	1U	8.6	7.7	4.6	6.9	5.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	150	120	120	98	75
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	28	22	22	22	18
Methylene chloride	5	5	5	11	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	19	17	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	0.35 J	0.32 J	0.3 J	1U	0.92 J	1	1.2	1.2	1.1	1.0U	1U	1U	1U	1U
Toluene	1000	1000	1000	1100	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	1.0U	5U	1U	2U	2U	2U	2U	1U	5U	1U	1U	2U	2U	2U	2U	2U	2U	2U	1.0U	1.1 J	1U	0.88 J	0.8 J
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	0.41 J	0.4 J	1.0U	1U	1.2	1.2	1.1	0.74 J	0.38 J	0.71 J	0.7 J	1	0.88 J	0.74 J	0.68 J	0.89 J	1.1	1.0	1.1	1.1	1.0U	0.43 J	0.94 J	1U	0.34 J
Vinyl Chloride	2	2	2	0.019	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	67	88	95	79	80
Xylenes (Total)	10000	10000	10000	190	1U	1U	2.0U	6U	1U	1U	1U	1U	1U	2U	6U	2U	1U	1U	1U	1U	1U	1U	1U	1U	2.0U	6U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Color shaded cell denotes reported concentration greater than regulatory level
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(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-115 10/7/24 (1)	MW-115 10/7/25 (1)	MW-142D 9/10/13 (5)	MW-142D 10/13/14 (5)	MW-142D 10/1/15 (5)	MW-142D 10/13/16 (5)	MW-142D 10/18/17 (5)	MW-142D 10/3/18 (5)	MW-142D 10/8/19 (5)	MW-142D 10/7/20 (5)	MW-142D 10/5/21 (5)	MW-142D 9/30/22 (5)	MW-142D 10/5/23 (5)	MW-142D 10/8/24 (5)	MW-142D 10/2/25 (5)	MW-142S 9/10/13 (5)	MW-142S 10/13/14 (5)	MW-142S 10/1/15 (5)	MW-142S 10/13/16 (5)	MW-142S 10/18/17 (5)	MW-142S 10/3/18 (5)	MW-142S 10/7/19 (5)	MW-142S 10/5/20 (5)	MW-142S 10/7/21 (5)	MW-142S 9/29/22 (5)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	11	10	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	2	1.7	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	10U	5U	5.0U	5U	5.0U	5.0U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5.0U	5U	5.0U	5.0U	5U	5U	10U	10U	10U
2-Hexanone	63	260		38	10U	10U	5U	5.0U	5U	5.0U	5.0U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5.0U	5U	5.0U	5.0U	5U	5U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	5U	5.0U	5U	5.0U	5.0U	5U	5U	10U	10U	10U	10U	10U	10U	5U	5.0U	5U	5.0U	5.0U	5U	5U	10U	10U	10U
Acetone	31000	88000		18000	20U	20U	5U	5.0U	5U	5	5.0U	5U	5U	20U	20U	20U	20U	20U	20U	5U	5.0U	5U	4.2J	5.0U	5U	5U	20U	20U	20U
Benzene	5	5	5	0.46	6.1	5.8	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	5U	5U	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	5U	5U	5U	5U	5U	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	4U	1U	1.0U	1U	1.0U	1.0U	1U	1U	4U	4U	4U	4U	4U	4U	1U	1.0U	1U	1.0U	1.0U	1U	1U	4U	4U	4U
Bromomethane	10	10		7.5	1UJ	1U	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U
Carbon Disulfide	1500	6200		810	5U	5U	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	5U	5U	5U	5U	5U	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1UJ	1U	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Chloromethane	30	30		190	2U	2U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	2U	2U	2U	2U	2UJ	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	2UJ
cis-1,2-Dichloroethene	70	70	70	25	84	86	5.1	6.2	2.6	0.78J	0.79J	0.75J	0.97J	0.81J	0.75J	0.51J	0.63J	0.57J	0.45J	1.1	1.6	1.9	2.6	2.4	8.7	7.5	5.8	5.2	6.2
cis-1,3-Dichloropropene	6.5	27		0.47	1UJ	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	19	18	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	5U	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	5U	5U	5U	5U	5U	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	5U	5U
Tetrachloroethene	5	5	5	11	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Toluene	1000	1000	1000	1100	1U	1U	0.29J	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	0.87J	1J	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	1U	2U	2U	2U	2U	1U	1.0U	1U	1.0U	1.0U	1U	1U	5U	1U	2U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	1U	0.45J	1U	1.0U	1U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	0.15J	1.0U	0.15J	1.0U	1.0U	1U	1U	1U	1U	1U
Vinyl Chloride	2	2	2	0.019	89J	85	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U	1U
Xylenes (Total)	10000	10000	10000	190	1U	1U	3U	3.0U	3U	2.0U	2.0U	2U	2U	6U	1U	1U	1U	1U	1U	3U	3.0U	3U	2.0U	2.0U	2U	2U	6U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																															
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-142S 10/4/23 (5)	MW-142S 10/7/24 (5)	MW-142S 10/6/25 (5)	MW-143D 9/9/13 (1)	MW-143D 10/13/14 (1)	MW-143D 9/30/15 (1)	MW-143D 10/7/16 (1)	MW-143D 10/18/17 (1)	MW-143D 10/3/18 (1)	MW-143D 9/27/19 (1)	MW-143D 10/6/20 (1)	MW-143D 10/4/21 (1)	MW-143D 10/3/22 (1)	MW-143D 10/6/23 (1)	MW-143D 10/1/24 (1)	MW-143D 10/1/25 (1)	MW-143S 9/9/13 (1)	MW-143S 10/15/14 (1)	MW-143S 9/30/15 (1)	MW-143S 10/7/16 (1)	MW-143S 10/18/17 (1)	MW-143S 10/3/18 (1)	MW-143S 10/3/19 (1)	MW-143S 10/6/20 (1)	MW-143S 10/4/21 (1)		
Volatile Organic Compound																															
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1UJ	1.0U	1.0U	1U	1.0U	1U	1U		
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0UJ	1U	1U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
2-Butanone	4000	4000		5600	10U	10U	10U	5U	5.0U	5.0U	5.0U	5.0U	5U	5U	10U	10U	10U	10U	10U	10U	10U	5U	5.0U	5.0U	5.0U	5.0U	5.0U	5U	5.0U	10U	10U
2-Hexanone	63	260		38	10U	10U	10U	5U	5.0U	5.0U	5.0U	5.0U	5U	5U	10U	10U	10U	10U	10U	10U	10U	5U	5.0U	5.0U	5.0U	5.0U	5U	5.0U	10U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	5U	5.0U	5.0U	5.0U	5.0U	5U	5U	10U	10U	10U	10U	10U	10U	10U	5U	5.0U	5.0U	5.0U	5.0U	5U	5.0U	10U	10U	
Acetone	31000	88000		18000	20U	20U	20U	5U	5.0U	5.0U	5.0U	5.0U	5U	5U	20U	20U	20U	20U	20U	20U	20U	5U	5.0U	5.0U	5.0U	5.0U	5U	3.6J	20U	20U	
Benzene	5	5	5	0.46	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U		
Bromochloromethane	90	90		83	5U	5U	5U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	5U	5U	5U	5U	5U	5U	1U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	5U	5U		
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U		
Bromoform	80	80		3.3	4U	4U	4U	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	4U	4U	4U	4U	4U	4U	1U	1.0U	1UJ	1.0U	1.0U	1U	1.0U	4U	4U		
Bromomethane	10	10		7.5	1U	1UJ	1U	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1UJ	1.0U	1.0U	1U	1.0U	1U	1U		
Carbon Disulfide	1500	6200		810	5U	5U	5U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	5U	5U	5U	5U	5UJ	5U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	5U	5U	
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U		
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Chloroethane	21000	88000		8300	1U	1UJ	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Chloroform	80	80		0.22	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Chloromethane	30	30		190	2U	2U	2U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0UJ	1U	1U	
cis-1,2-Dichloroethene	70	70	70	25	5.8	7.1	6.5	0.25J	0.34J	0.39J	0.66J	0.74J	1.5	1.1	1.8	2.2	2.7	3.0	3.7	3.3	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1UJ	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Styrene	100	100	100	1200	5U	5U	5U	1U	1.0U	1UJ	1.0U	1.0U	1U	1U	5U	5U	5U	5U	5U	5U	1U	1.0U	1UJ	1.0U	1.0U	1.0U	1U	1.0U	5U	5U	
Tetrachloroethene	5	5	5	11	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1.1	0.84J	1.0U	0.76J	0.57J	0.55J	0.51J	1.1	0.83J		
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	2U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	5U	1U	2U	2U	2U	2U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	5U	1U	
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Trichloroethene	5	5	5	0.49	1U	1U	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	3.0	1.9	2.2	1.3	1.1	1.1	1.0U	0.47J	0.46J		
Vinyl Chloride	2	2	2	0.019	1U	1UJ	1U	1U	1.0U	1.0U	1.0U	1.0U	1U	1U	1U	1U	1U	1U	1UJ	1UJ	1U	1.0U	1.0U	1.0U	1.0U	1.0U	1U	1.0U	1U	1U	
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	3U	3.0U	3.0U	2.0U	2.0U	2U	2U	6U	1U	1U	1U	1U	1U	3U	3.0U	3.0U	2.0U	2.0U	2U	2.0U	6U	1U		

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date Parameter	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-143S 10/4/22 (1)	MW-143S 10/3/23 (1)	MW-143S 10/7/24 (1)	MW-143S 10/1/25 (1)	MW-148A 72.5 - 73 10/25/19 (1)	MW-148A 72.5 - 73 10/15/20 (1)	MW-148A 72.5 - 73 10/12/21 (1)	MW-148A 72.5 - 73 10/11/22 (1)	MW-148A 72.5 - 73 10/11/23 (1)	MW-148A 72.5 - 73 10/7/24 (1)	MW-148A 72.5 - 73 10/6/25 (1)	MW-148A 136 - 136.5 10/25/19 (1)	MW-148A 136 - 136.5 10/15/20 (1)	MW-148A 136 - 136.5 10/12/21 (1)	MW-148A 136 - 136.5 10/11/22 (1)	MW-148A 136 - 136.5 10/11/23 (1)	MW-148A 136 - 136.5 10/7/24 (1)	MW-148A 136 - 136.5 10/6/25 (1)	MW-150 10/4/19 (1)	MW-150 9/30/20 (1)	MW-150 10/5/21 (1)	MW-150 10/5/22 (1)	MW-150 10/5/23 (1)	MW-150 10/3/24 (1)	MW-150 10/2/25 (1)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	0.90 J	0.53 J	0.47 J	0.52 J	0.5 J	0.35 J	0.47 J
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
2-Butanone	4000	4000		5600	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	
2-Hexanone	63	260		38	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	10U	
Acetone	31000	88000		18000	20U	20U	20U	20U	5.0U	20U	20U	20U	20U	20U	20U	5.0U	20U	20U	20U	20U	20U	20U	5.0U	20U	20U	20U	20U	20U	20U	
Benzene	5	5	5	0.46	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Bromochloromethane	90	90		83	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Bromoform	80	80		3.3	4U	4U	4U	4U	1.0U	4U	4U	4U	4U	4U	4U	1.0U	4U	4U	4U	4U	4U	4U	1.0U	4U	4U	4U	4U	4U	4U	
Bromomethane	10	10		7.5	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Chloroform	80	80		0.22	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Chloromethane	30	30		190	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	44	37	40	40	37	39	35
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Styrene	100	100	100	1200	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U	5U	
Tetrachloroethene	5	5	5	11	0.59 J	0.78 J	0.82 J	0.51 J	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2U	2U	
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Trichloroethene	5	5	5	0.49	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	46	31	32	30	27	27	22
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	2.0U	6U	1U	1U	1U	1U	1U	2.0U	6U	1U	1U	1U	1U	1U	2.0U	6U	1U	1U	1U	1U	1U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Color shaded cell denotes reported concentration greater than regulatory level
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Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-165 9/26/19 (1)	MW-165 10/9/20 (1)	MW-165 9/30/21 (1)	MW-165 9/28/22 (1)	MW-165 9/29/23 (1)	MW-165 10/4/24 (1)	MW-165 9/26/25 (1)	MW-166 12/20/18 (3)	MW-166 3/29/19 (3)	MW-166 6/28/19 (3)	MW-166 9/25/19 (1/3)	MW-166 12/18/19 (3)	MW-166 3/25/20 (3)	MW-166 6/24/20 (3)	MW-166 10/15/20 (1/3)	MW-166 12/23/20 (3)	MW-166 3/24/21 (3)	MW-166 6/24/21 (3)	MW-166 9/23/21 (1/3)	MW-166 12/22/21 (3)	MW-166 1/11/22 (4)	MW-166 1/27/22 (4)	MW-166 2/8/22 (4)	MW-166 2/22/22 (4)	MW-166 3/8/22 (4)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
2-Butanone	4000	4000		5600	5U	10U	10U	10U	10U	10U	10U	5U	5U	5.0U	5U	5.0U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	
2-Hexanone	63	260		38	5U	10U	10U	10U	10U	10U	10U	5U	5UJ	5.0U	5U	5.0U	5U	10U	10U	10U	10UJ	10U	10U	10U	10U	10U	10U	10U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	5U	10U	10U	10U	10U	10U	10U	5U	5UJ	5.0U	5U	5.0U	5UJ	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	
Acetone	31000	88000		18000	5U	20U	20U	20U	20U	20U	20U	1U	5U	5.0U	5U	5.0UJ	5U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	1.1J	20U	2.6J
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromochloromethane	90	90		83	1U	5U	5U	5U	5U	5U	5U	1U	1U	1.0U	1U	1.0U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromoform	80	80		3.3	1U	4U	4U	4U	4U	4U	4U	1U	1U	1.0U	1U	1.0U	1U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	
Bromomethane	10	10		7.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Carbon Disulfide	1500	6200		810	1U	5U	5U	5U	5U	5U	5U	1U	1U	1.0U	1U	1.0U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chloroform	80	80		0.22	1U	1U	1U	1U	1U	1U	1U	1.3	0.84 J	1.0U	0.66 J	1.0U	1U	0.98 J	0.69 J	0.52 J	0.47 J	0.76 J	0.5 J	0.6 J	0.48 J	0.35 J	0.47 J	0.58 J	0.48 J	
Chloromethane	30	30		190	1U	1U	1U	2U	2U	2U	2U	1U	1U	1.0U	1U	1.0UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	0.8J	1U	1U	1U	1U	
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Styrene	100	100	100	1200	1U	5U	5U	5U	5U	5U	5U	1U	1U	1.0U	1U	1.0U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	
Tetrachloroethene	5	5	5	11	3.6	3.1	3	2.8	2.5	2.6	2.1	1.1	0.7J	0.75 J	0.83 J	0.63 J	0.48 J	0.66 J	0.98 J	0.59 J	0.62 J	0.55 J	0.48 J	70	39	14	13	9.3	8.5	
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
trans-1,2-Dichloroethene	100	100	100	68	1U	5U	1U	2U	2U	2U	2U	1U	1U	1.0U	1U	1.0U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Trichloroethene	5	5	5	0.49	3.3	2.2	2	1.2	1.1	0.75 J	0.82 J	1.5	0.92 J	0.88 J	1.3	0.71 J	1U	0.96 J	0.87 J	0.6 J	0.53 J	0.66 J	0.43 J	4.9	3.0	1.2	1.3	0.98 J	0.93 J	
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Xylenes (Total)	10000	10000	10000	190	2U	6U	1U	1U	1U	1U	1U	2U	2U	2.0U	2U	2.0U	2U	6U	6U	6U	6U	1U	1U	1U	1U	1U	1U	1U	1U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-166 3/23/22 (4)	MW-166 4/26/22 (4)	MW-166 5/25/22 (4)	MW-166 9/27/22 (1/3)	MW-166 1/25/23 (3)	MW-166 3/22/23 (3)	MW-166 6/20/23 (3)	MW-166 9/28/23 (1/3)	MW-166 12/20/23 (3)	MW-166 3/20/24 (3)	MW-166 6/26/24 (3)	MW-166 9/26/24 (1/3)	MW-166 12/18/24 (3)	MW-166 3/27/25 (3)	MW-166 6/25/25 (3)	MW-166 9/25/25 (1/3)	MW-166 12/23/25 (3)	MW-167 12/20/18 (3)	MW-167 3/29/19 (3)	MW-167 5/1/19 (3)	MW-167 6/28/19 (3)	MW-167 9/25/19 (1/3)	MW-167 12/18/19 (3)	MW-167 3/25/20 (3)	MW-167 6/24/20 (3)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1UJ	1U	
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
2-Butanone	4000	4000		5600	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5U	5U	5U	5.0U	5U	5.0U	5U	10U
2-Hexanone	63	260		38	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5U	5UJ	5U	5.0U	5U	5.0U	5U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5U	5UJ	5U	5.0U	5U	5.0U	5UJ	10U
Acetone	31000	88000		18000	3J	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20UJ	20U	20U	20U	5U	5U	5U	5.0U	5U	5.0UJ	5U	20U
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Bromochloromethane	90	90		83	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	1U	1U	1.0U	1U	1.0U	1U	5U	
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Bromoform	80	80		3.3	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4UJ	4UJ	4U	4U	4U	4U	4U	1U	1U	1U	1.0U	1U	1.0U	1U	4U
Bromomethane	10	10		7.5	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	1U	1U	1.0U	1U	1.0U	1U	5U	
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Chloroethane	21000	88000		8300	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Chloroform	80	80		0.22	0.55 J	0.45 J	0.55 J	0.65 J	0.67 J	0.65 J	0.74 J	0.77 J	0.70 J	0.50 U	1U	0.58 J	0.55 J	0.55 J	0.49 J	0.61 J	0.54 J	1U	1U	1U	1.0U	1U	1.0U	1U	0.2 J	
Chloromethane	30	30		190	1U	1UJ	1U	2U	2U	2U	2U	2U	2U	2U	2UJ	2U	2U	2U	2U	2U	2U	2UJ	1U	1U	1U	1.0U	1U	1.0UJ	1U	1U
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Styrene	100	100	100	1200	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1U	1U	1U	1.0U	1U	1.0U	1U	5U	
Tetrachloroethene	5	5	5	11	7.2	4.8	3.2	2.2	1.7	1.4	1.1	1.2	1.1	0.89 J	0.65 J	0.63 J	0.68 J	0.74 J	0.55 J	0.68 J	0.56 J	2.6	9.8	3.6	4.4	14	7.6	2.9	2.4	
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
trans-1,2-Dichloroethene	100	100	100	68	1U	1U	1U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	1U	1U	1U	1.0U	1U	1.0U	1U	5U	
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Trichloroethene	5	5	5	0.49	0.85 J	0.75 J	0.51 J	0.54 J	0.57 J	0.61 J	1U	0.58 J	0.49 J	0.49 J	0.43 J	0.35 J	0.49 J	0.56 J	0.48 J	0.47 J	0.52 J	6.9	5.0	1.8	1.6	5.9	3.0	0.87 J	0.7 J	
Vinyl Chloride	2	2	2	0.019	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	2U	2U	2.0U	2U	2.0U	2U	6U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
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(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-167 10/15/20 (1/3)	MW-167 12/23/20 (3)	MW-167 3/24/21 (3)	MW-167 6/24/21 (3)	MW-167 9/23/21 (1/3)	MW-167 12/22/21 (3)	MW-167 1/27/22 (4)	MW-167 2/8/22 (4)	MW-167 2/22/22 (4)	MW-167 3/8/22 (4)	MW-167 3/23/22 (4)	MW-167 4/26/22 (4)	MW-167 5/25/22 (4)	MW-167 9/27/22 (1/3)	MW-167 1/25/23 (3)	MW-167 3/22/23 (3)	MW-167 6/20/23 (3)	MW-167 9/28/23 (1/3)	MW-167 12/20/23 (3)	MW-167 3/20/24 (3)	MW-167 6/26/24 (3)	MW-167 9/26/24 (1/3)	MW-167 12/18/24 (3)	MW-167 3/27/25 (3)	MW-167 6/25/25 (3)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
2-Butanone	4000	4000		5600	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	
2-Hexanone	63	260		38	10U	10UJ	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	
Acetone	31000	88000		18000	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	1.8 J	20U	20U	20UJ	
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromochloromethane	90	90		83	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Bromoform	80	80		3.3	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4UJ	4UJ	4U	4U	
Bromomethane	10	10		7.5	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Chloroform	80	80		0.22	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	0.56 J	1U	1U	1U	1U	1U
Chloromethane	30	30		190	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	2U	2U	2U	2U	2U	2U	2U	2UJ	2U	2U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
Styrene	100	100	100	1200	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	
Tetrachloroethene	5	5	5	11	5.8	4.0	2.7	3.6	3.2	3.7	2.0	1.6	1.5	1.4	1.2	1.0	1.0	1.7	2.3	2.6	2.4	2.6	2.5	1.8	1.7	1.5	1.9	2.5	1.5J	
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	
trans-1,2-Dichloroethene	100	100	100	68	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	
Trichloroethene	5	5	5	0.49	1.8	1.3	1U	1.2	0.58 J	0.95 J	0.45 J	0.33 J	1U	0.33 J	1U	1U	1U	0.5 J	0.71 J	0.8 J	0.65 J	0.69 J	0.62 J	0.41 J	0.33 J	0.39 J	0.37 J	0.74 J	0.34 J	
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	
Xylenes (Total)	10000	10000	10000	190	6U	6U	6U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-167 9/25/25 (1/3)	MW-167 12/23/25 (3)	MW-168 12/20/18 (3)	MW-168 4/2/19 (3)	MW-168 6/28/19 (3)	MW-168 9/25/19 (1/3)	MW-168 12/18/19 (3)	MW-168 3/25/20 (3)	MW-168 6/24/20 (3)	MW-168 10/15/20 (1/3)	MW-168 12/23/20 (3)	MW-168 3/24/21 (3)	MW-168 6/24/21 (3)	MW-168 9/23/21 (1/3)	MW-168 12/22/21 (3)	MW-168 1/27/22 (4)	MW-168 2/8/22 (4)	MW-168 2/22/22 (4)	MW-168 3/8/22 (4)	MW-168 3/23/22 (4)	MW-168 4/26/22 (4)	MW-168 5/25/22 (4)	MW-168 9/27/22 (1/3)	MW-168 1/25/23 (3)	MW-168 3/22/23 (3)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1.0U	1U	1.0U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	10U	5U	5U	5.0U	5U	5.0U	5U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
2-Hexanone	63	260		38	10U	10U	5U	5UJ	5.0U	5U	5.0U	5U	10U	10U	10UJ	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	5U	5UJ	5.0U	5U	5.0U	5UJ	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U
Acetone	31000	88000		18000	20U	20U	5U	5U	5.0U	5U	5.0UJ	5U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U	20U
Benzene	5	5	5	0.46	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	5U	5U	1U	1U	1.0U	1U	1.0U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	4U	1U	1U	1.0U	1U	1.0U	1U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U
Bromomethane	10	10		7.5	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U
Carbon Disulfide	1500	6200		810	5U	5U	1J	1U	1.0U	1U	1.0U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	30	30		190	2U	2UJ	1U	1U	1.0U	1U	1.0UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	1U	1.2	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	5U	1U	1U	1.0U	1U	1.0U	1U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	1.7	1.9	1.1	0.67J	0.59J	1U	1.0U	1U	0.26J	0.27J	1U	0.25J	1U	0.35J	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	1U	1U	1.0U	1U	1.0U	1U	5U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	2U	2U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	0.52J	0.47J	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U
Xylenes (Total)	10000	10000	10000	190	1U	1U	2U	2U	2.0U	2U	2.0U	2U	6U	6U	6U	6U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date Parameter	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	MW-168 6/20/23 (3)	MW-168 9/28/23 (1/3)	MW-168 12/20/23 (3)	MW-168 3/20/24 (3)	MW-168 6/26/24 (3)	MW-168 9/26/24 (1/3)	MW-168 12/18/24 (3)	MW-168 3/27/25 (3)	MW-168 6/25/25 (3)	MW-168 9/25/25 (1/3)	MW-168 12/23/25 (3)	MW-186 10/8/20 (1)	MW-186 10/7/21 (1)	MW-186 10/13/22 (1)	MW-186 Dup 10/13/23 (1)	MW-186 10/13/23 (1)	MW-186 10/9/24 (1)	MW-186 10/10/25 (1)	MW-186 10/4/19 (1)	Cole D 10/1/20 (1)	Cole D 10/5/21 (1)	Cole D 10/5/22 (1)	Cole D 10/5/23 (1)	Cole D 10/3/24 (1)	Cole D 10/2/25 (1)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
2-Butanone	4000	4000		5600	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	
2-Hexanone	63	260		38	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	
4-Methyl-2-Pentanone	2800	7800		6300	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	10U	5.0U	10U	10U	10U	10U	10U	
Acetone	31000	88000		18000	20U	20U	20U	20U	20U	20U	20U	20U	20UJ	20U	20U	20U	20U	20U	20U	20U	20U	20U	20UJ	5.0U	0.88J	20U	20U	20U	20U	
Benzene	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Bromochloromethane	90	90		83	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U		
Bromodichloromethane	80	80		0.13	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Bromoform	80	80		3.3	4U	4U	4U	4U	4U	4UJ	4UJ	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	4U	1.0U	4U	4U	4U	4U	4U		
Bromomethane	10	10		7.5	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1U	1U	1U	1U	1UJ		
Carbon Disulfide	1500	6200		810	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U		
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Chlorobenzene	100	100	100	78	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Chloroethane	21000	88000		8300	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1U	1U	1U	1U	1UJ		
Chloroform	80	80		0.22	1U	1U	0.32J	0.50U	1.0U	0.31J	1U	1U	1U	0.39J	0.3J	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	0.49J		
Chloromethane	30	30		190	2U	2U	2U	2U	2UJ	2U	2U	2U	2U	2U	2UJ	1U	1U	2U	2U	2U	2U	2U	1.0U	1U	1U	2U	2U	2UJ		
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1U	1U	1U	1U	1U		
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Methylene chloride	5	5	5	11	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Styrene	100	100	100	1200	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	5U	1.0U	5U	5U	5U	5U	5U		
Tetrachloroethene	5	5	5	11	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	26	15	20	17	12	18	14
Toluene	1000	1000	1000	1100	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
trans-1,2-Dichloroethene	100	100	100	68	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	2U	5U	1U	2U	2U	2U	2U	2U	1.0U	5U	1U	2U	2U	2U		
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	1U	1U	1U	1U	1U		
Trichloroethene	5	5	5	0.49	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1.0U	0.54J	0.9J	0.5J	0.5J	0.43J	0.51J	
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1U	1UJ	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1.0U	1U	1U	1U	1U	1UJ		
Xylenes (Total)	10000	10000	10000	190	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	6U	1U	1U	1U	1U	1U	1U	2.0U	6U	1U	1U	1U	1U	1U	

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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Color shaded cell denotes reported concentration greater than regulatory level
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Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																													
Location/Identification Depth (feet) Sample Date Parameter	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	Cole Steel (MW-12) 10/4/19 (1)	Cole Steel (MW-12) 10/1/20 (1)	Cole Steel (MW-12) 10/8/21 (1)	Cole Steel (MW-12) 10/7/22 (1)	Cole Steel (MW-12) 10/6/23 (1)	Cole Steel (MW-12) 10/4/24 (1)	Cole Steel (MW-12) 10/3/25 (1)	CW-1A 9/16/13 (1)	CW-1A 10/14/14 (1)	CW-1A 10/6/15 (1)	CW-1A 10/26/16 (1)	CW-1A 10/31/17 (1)	CW-1A 10/1/18 (1)	CW-1A Dup 9/27/19 (1)	CW-1A 9/27/19 (1)	CW-1A 10/2/20 (1)	CW-1A 9/30/21 (1)	CW-1A 9/28/22 (1)	CW-1A 10/2/23 (1)	CW-1A 9/30/24 (1)	CW-1A DUP 9/30/25 (1)	CW-1A 9/30/25 (1)	CW-2 9/16/13 (1)	CW-2 10/14/14 (1)	CW-2 10/7/15 (1)
Volatile Organic Compound																													
1,1,1,2-Tetrachloroethane	70	70		0.57	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
1,1,1-Trichloroethane	200	200	200	8000	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
1,1,2-Trichloroethane	5	5	5	0.28	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
1,1-Dichloroethane	31	160		2.8	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
1,1-Dichloroethene	7	7	7	8.2	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
1,2-Dichloroethane	5	5	5	0.17	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
1,2-Dichloropropane	5	5	5	0.85	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
2-Butanone	4000	4000		5600	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5 U
2-Hexanone	63	260		38	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5 U
4-Methyl-2-Pentanone	2800	7800		6300	5.0 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5 U	5 U	5 U	5 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5.0 U	5 U
Acetone	31000	88000		18000	5.0 U	20 U	20 U	20 U	20 U	20 U	20 U	5 U	5.0 U	5 U	5 U	5 U	5 U	10 U	10 U	20 U	20 U	20 U	20 U	20 U	20 UJ	20 UJ	5 U	5.0 U	5 U
Benzene	5	5	5	0.46	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Bromochloromethane	90	90		83	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.0 U	1 UJ	1 U	1 U	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.0 U	1 UJ
Bromodichloromethane	80	80		0.13	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Bromoform	80	80		3.3	1.0 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	1 U	1.0 U	1 U
Bromomethane	10	10		7.5	1.0 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.0 U	1 UJ	1 U	1 U	1 U	2 U	2 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1.0 U	1 UJ
Carbon Disulfide	1500	6200		810	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	1 U	1.0 U	1 U
Carbon Tetrachloride	5	5	5	0.46	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Chlorobenzene	100	100	100	78	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Chlorodibromomethane	80	80		0.87	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Chloroethane	21000	88000		8300	1.0 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1.0 U	1 UJ	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 UJ
Chloroform	80	80		0.22	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	0.38 J	0.44 J	0.31 J	0.44 J	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	0.36 J	1 U	1 U	1.0 U	1 U
Chloromethane	30	30		190	1.0 U	1 U	1 U	2 U	2 U	2 U	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	1 U	1.0 U	1 U
cis-1,2-Dichloroethene	70	70	70	25	8.8	16	17	18	7.4	16	12	0.31 J	0.51 J	1 U	0.73 J	1 U	1 U	2 U	2 U	0.31 J	1 U	1 U	1 U	1 U	0.31 J	1 U	0.87 J	2.6	0.78 J
cis-1,3-Dichloropropene	6.5	27		0.47	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Ethylbenzene	700	700	700	1.5	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Methyl tert-butyl ether	20	20		14	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Methylene chloride	5	5	5	11	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Styrene	100	100	100	1200	1.0 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.0 U	1 U
Tetrachloroethene	5	5	5	11	1.0 U	0.8 J	0.9 J	0.87 J	0.58 J	0.85 J	0.6 J	1.7	2.8	1.9	2.3	1.8	1.8	1.3 J	1.5 J	1.2	0.65 J	1.8	0.94 J	1.9	1.9	1.9	3.0	1.4	3.2
Toluene	1000	1000	1000	1100	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U
trans-1,2-Dichloroethene	100	100	100	68	1.0 U	5 U	1 U	2 U	2 U	2 U	2 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	5 U	1 U	2 U	2 U	2 U	2 U	2 U	1 U	1.0 U	1 U
trans-1,3-Dichloropropene	6.5	27		0.47	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 U	
Trichloroethene	5	5	5	0.49	13 J	16	16	15	8.5	14	10	26	31	28	56	53	41	35	36 J	32	9.3	20	8.2	27	25	26	6.3	14	4.9
Vinyl Chloride	2	2	2	0.019	1.0 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1 UJ	1 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1.0 U	1 UJ
Xylenes (Total)	10000	10000	10000	190	2.0 U	6 U	1 U	1 U	1 U	1 U	1 U	3 U	3.0 U	3 U	2 U	2 U	2 U	1 U	4 U	6 U	1 U	1 U	1 U	1 U	1 U	1 U	3 U	3.0 U	3 U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																														
Location/Identification Depth (feet) Sample Date Parameter	PA MSC	PA MSC	Federal	EPA	CW-2	CW-2	CW-2	CW-2	CW-2	CW-2	CW-2	CW-2	CW-2	CW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	GM-1D	GM-1D	GM-1D	GM-1D	GM-1D	GM-1D Dup	GM-1D
	UA R (ug/L)	UA NR (ug/L)	MCL (ug/L)	RSL (ug/L)	10/26/16 (1)	10/24/17 (1)	10/3/18 (1)	10/1/19 (1)	10/2/20 (1)	9/29/21 (1)	9/28/22 (1)	10/2/23 (1)	10/1/24 (1)	9/30/25 (1)	9/10/13 (5)	10/20/14 (5)	9/16/15 (5)	10/3/16 (5)	10/17/17 (5)	10/2/18 (5)	10/2/19 (5)	9/28/20 (5)	10/4/19 (1)	9/30/20 (1)	10/5/21 (1)	10/7/22 (1)	10/5/23 (1)	10/3/24 (1)	10/3/24 (1)	
Volatile Organic Compound																														
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	5U	5U	5U	5.0U	10U	10U	10U	10U	10U	10U	5U	5.0U	5.0U	5.0U	5U	5U	5.0U	10U	5.0U	10U	10U	10U	10U	10U	10U	10U
2-Hexanone	63	260		38	5U	5U	5U	5.0U	10U	10U	10U	10U	10U	10U	5U	5.0U	5.0U	5.0U	5U	5U	5.0U	10U	5.0U	10U	10U	10U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	5U	5U	5U	5.0U	10U	10U	10U	10U	10U	10U	5U	5.0U	5.0U	5.0U	5U	5U	5.0U	10U	5.0U	10U	10U	10U	10U	10U	10U	10U
Acetone	31000	88000		18000	5U	5U	5U	5.0U	0.81J	20U	20U	20U	20U	20U	5U	5.0U	5.0U	4.5J	5U	5U	5.0U	20U	5.0U	20U	20U	20U	20U	20U	20U	20U
Benzene	5	5	5	0.46	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	1U	1U	1U	1.0U	5U	5U	5U	5U	5U	5U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	5U	1.0U	5U	5U	5U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	1U	1U	1U	1.0U	4U	4U	4U	4U	4U	4U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	4U	1.0U	4U	4U	4U	4U	4U	4U	4U
Bromomethane	10	10		7.5	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Carbon Disulfide	1500	6200		810	1U	1U	1U	1.0U	5U	5U	5U	5U	5U	5U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	5U	1.0U	5U	5U	5U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	0.17J	0.23J	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Chloromethane	30	30		190	1U	1U	1U	1.0U	1U	1U	2U	2U	2U	2U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	2U	2U	2U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	6.1	1U	5.7	1.1	0.86J	1U	2.4	3.9	3.3	1	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	1U	1U	1U	1.0U	5U	5U	5U	5U	5U	5U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	5U	1.0U	5U	5U	5U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	0.97J	0.91J	1.3	1.1	1.0	2.4	0.98J	0.52J	0.52J	0.88J	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	2.8	1.3	8.8	0.41J	1.8	0.72J	0.67J	0.67J
Toluene	1000	1000	1000	1100	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	0.26J	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	1U	1U	1U	1.0U	5U	1U	2U	2U	2U	2U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	2U	2U	2U	2U	2U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	15	10	12	6.8	6.0	0.62J	7.1	7.4	6.1	3.7	1.9	3.1	3.8	3.7	3.4	2.2	3.9	4.0	1.0U	1U	0.39J	1U	1U	1U	1U	1U
Vinyl Chloride	2	2	2	0.019	1U	1U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1.0U	1U	1U	1U	1U	1U	1U	1U
Xylenes (Total)	10000	10000	10000	190	2U	2U	2U	2.0U	6U	1U	1U	1U	1U	1U	3U	3.0U	3.0U	2.0U	2U	2U	2.0U	6U	2.0U	6U	1U	1U	1U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

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UA R - Used Aquifer Residential
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Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-1 Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Outside Technical Impracticability (TI) Boundary - 2025 Former York Naval Ordnance Plant - York, PA																	
Location/Identification Depth (feet) Sample Date	PA MSC UA R (ug/L)	PA MSC UA NR (ug/L)	Federal MCL (ug/L)	EPA RSL (ug/L)	GM-1D 10/2/25 (1)	RW-4 Folk 9/11/13 (5)	RW-4 Folk 10/24/14 (5)	RW-4 Folk 9/16/15 (5)	RW-4 Folk 10/1/16 (5)	RW-4 Folk 10/24/17 (5)	RW-4 Folk 10/2/18 (5)	RW-4 Folk 9/30/19 (5)	RW-4 Folk 10/7/20 (5)	RW-4 Folk 10/13/22 (5)	RW-4 Folk 10/13/23 (5)	RW-4 Folk 10/4/24 (5)	RW-4 Folk 10/10/25 (5)
Parameter																	
<i>Volatile Organic Compound</i>																	
1,1,1,2-Tetrachloroethane	70	70		0.57	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,1,1-Trichloroethane	200	200	200	8000	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,1,2,2-Tetrachloroethane	0.84	4.3		0.076	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,1,2-Trichloroethane	5	5	5	0.28	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,1-Dichloroethane	31	160		2.8	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,1-Dichloroethene	7	7	7	8.2	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,2-Dibromoethane	0.05	0.05	0.05	0.0075	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,2-Dichloroethane	5	5	5	0.17	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
1,2-Dichloropropane	5	5	5	0.85	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
2-Butanone	4000	4000		5600	10U	5U	5.0U	5UJ	5.0U	5U	5U	5.0U	10U	10U	10U	10U	10U
2-Hexanone	63	260		38	10U	5U	5.0U	5.0U	5.0U	5U	5U	5.0U	10U	10U	10U	10U	10U
4-Methyl-2-Pentanone	2800	7800		6300	10U	5U	5.0U	5.0U	5.0U	5U	5U	5.0U	10U	10U	10U	10U	10U
Acetone	31000	88000		18000	20U	5U	5.0U	5UJ	3.2J	5U	5U	5.0U	20U	20U	20U	20U	20UJ
Benzene	5	5	5	0.46	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Bromochloromethane	90	90		83	5U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	5U	5U	5U	5U	5U
Bromodichloromethane	80	80		0.13	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Bromoform	80	80		3.3	4U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	4U	4U	4U	4U	4U
Bromomethane	10	10		7.5	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Carbon Disulfide	1500	6200		810	5U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	5U	5U	5U	5U	5U
Carbon Tetrachloride	5	5	5	0.46	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Chlorobenzene	100	100	100	78	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Chlorodibromomethane	80	80		0.87	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Chloroethane	21000	88000		8300	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Chloroform	80	80		0.22	1U	0.53J	1.0U	0.50J	0.46J	1U	1U	1.0U	1U	1U	1U	1U	1U
Chloromethane	30	30		190	2UJ	1U	1.0U	1UJ	1.0U	1U	1U	1.0U	1U	2U	2U	2U	2U
cis-1,2-Dichloroethene	70	70	70	25	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
cis-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Ethylbenzene	700	700	700	1.5	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Methyl tert-butyl ether	20	20		14	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Methylene chloride	5	5	5	11	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Styrene	100	100	100	1200	5U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	5U	5U	5U	5U	5U
Tetrachloroethene	5	5	5	11	0.47J	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Toluene	1000	1000	1000	1100	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
trans-1,2-Dichloroethene	100	100	100	68	2U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	5U	2U	2U	2U	2U
trans-1,3-Dichloropropene	6.5	27		0.47	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Trichloroethene	5	5	5	0.49	1U	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Vinyl Chloride	2	2	2	0.019	1UJ	1U	1.0U	1.0U	1.0U	1U	1U	1.0U	1U	1U	1U	1U	1U
Xylenes (Total)	10000	10000	10000	190	1U	3U	3.0U	3.0U	2.0U	2U	2U	2.0U	6U	1U	1U	1U	1U

Notes:
µg/L - Micrograms per liter
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U"

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard
UA R - Used Aquifer Residential
UA NR - Used Aquifer Non-Residential
USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level
USEPA RSL - United States Environmental Protection Agency Regional Screening Level for Residential Tap Water (TR = 1x10⁻⁶ and THQ=1.0) (November 2024)
Color shaded cell denotes reported concentration greater than regulatory level
(1) - Annual monitored natural attenuation (MNA) well sample
(2) - Quarterly Technical Impracticability (TI) Area 1 sample
(3) - Quarterly Southern Property Boundary Area (SPBA) extraction system performance monitoring sample
(4) - Monthly SPBA extraction system performance monitoring sample
(5) - Annual Northern Property Boundary Area (NPBA) plume assessment well sample

Table 2.2-2
Groundwater Analytical Data Summary - Volatile Organic Compounds (VOCs) - Wells Inside Technical Impracticability (TI) Boundary - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Depth (feet) Sample Date	CW-21	CW-21	CW-21	CW-21	CW-22	CW-22	CW-22	CW-22	CW-23	CW-23	CW-23	CW-23	SPBA Effluent	SPBA Effluent	SPBA Effluent	SPBA Effluent
Parameter	3/27/25 (1)	6/25/25 (1)	9/25/25 (1)	12/23/25 (1)	3/27/25 (1)	6/25/25 (1)	9/25/25 (1)	12/23/25 (1)	3/27/25 (1)	6/25/25 (1)	9/25/25 (1)	12/23/25 (1)	3/27/25 (2)	6/25/25 (2)	9/25/25 (2)	12/23/25 (2)
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	1 U	1 U	NA	1 U	1 U	1 U	NA	1 U	1 U	1 U	NA	1 U	1 U	1 U	NA	1 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 UJ	20 U	20 U	20 U	20 U
Benzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	5 U	5 U	NA	5 U	5 U	5 U	NA	5 U	5 U	5 U	NA	5 U	5 U	5 U	NA	5 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.27 J	1 U	1 U	0.21 J	1 U	1 U	1 U	1 U
Bromoform	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	0.55 J	0.54 J	0.58 J	0.63 J	0.73 J	0.72 J	0.73 J	0.92 J	1.6	0.79 J	2.1	3	0.69 J	0.57 J	0.77 J	0.84 J
Chloromethane	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	98	97	100	110	46	53	51	52	24	24	27	28	77	76	81	81
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	0.66 J	0.65 J	0.53 J	0.38 J	0.87 J	0.82 J	0.84 J	0.82 J	0.43 J	1 U	0.39 J	0.31 J	0.72 J	0.54 J	0.61 J	0.66 J
Vinyl Chloride	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

All samples are representative of the Southern Property Boundary Area (SPBA) inside TI Area 2

Results are reported in micrograms per liter (µg/L)

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J".

These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

NA - Not Analyzed. Sample not analyzed by laboratory for this compound.

(1) - Quarterly SPBA groundwater extraction system performance monitoring sample

(2) - Quarterly combined extraction system flow sample from CW-21, CW-22, and CW-23 prior to treatment

TABLE 2.2-3
Groundwater Analytical Data Summary - Total and Available Cyanide (MW-2) - 2025
Former York Naval Ordnance Plant - York, PA

Parameter	Regulatory Levels				MW-2 Sample Collected on 10/3/2025 (µg/L)
	PADEP MSC UA R (µg/L)	PADEP MSC UA NR (µg/L)	USEPA MCL (µg/L)	USEPA RSL (µg/L)	
Cyanide, Free (Available)	200	200	200	1.5	52 J
Cyanide, Total					310
Notes: µg/L - Micrograms per liter PADEP MSC - Pennsylvania Department of Environmental Protection Statewide health standard Medium-Specific Concentration (November 2021) UA R - Used Aquifer Residential UA NR - Used Aquifer Non-Residential USEPA MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024) USEPA RSL - United States Environmental Protection Agency Tap Water Regional Screening Level (TR = 1×10^{-6} and THQ=1.0) (November 2024) J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". The "J" concentration was positively identified in the sample and is qualitatively acceptable. Color shaded concentration denotes reported concentration greater than regulatory level					

TABLE 2.2-4
Monitoring Information for Post-Remediation Care Activities in 2025
Former York Naval Ordnance Plant - York, PA

Well Identification	Type	Status	Depth to Top of Open Interval (feet bgs)	Depth to Base of Open Interval (feet bgs)	Open Interval Length (feet)	Open Interval in Overburden or Bedrock	Rock Type	Site Location
CW-1	Collection Well	Inactive	68.0	175.0	107.0	Bedrock	SS/Phyl	NPBA
CW-1A	Collection Well	Inactive	29.0	74.0	45.0	Bedrock	Phyl	NPBA
CW-2	Collection Well	Inactive	48.0	150.0	102.0	Bedrock	SS/Phyl	NPBA
CW-3	Collection Well	Inactive	20.0	203.0	183.0	Bedrock	SS/Phyl	NPBA
CW-4	Collection Well	Inactive	63.0	150.0	87.0	Bedrock	Phyl	NPBA
CW-5	Collection Well	Inactive	18.5	83.0	64.5	Bedrock	SS/Phyl	NPBA
CW-6	Collection Well	Inactive	30.0	145.0	115.0	Bedrock	Phyl	NPBA
CW-7	Collection Well	Inactive	61.0	150.0	89.0	Bedrock	Phyl	NPBA
CW-7A	Collection Well	Inactive	34.0	66.0	32.0	Overburden and Bedrock	Phyl	NPBA
CW-9	Collection Well	Inactive	47.0	50.0	3.0	Bedrock	LS	SW-WPL
CW-13	Collection Well	Inactive	59.6	70.0	10.4	Bedrock	LS	WPL
CW-14	Collection Well	Inactive	36.0	80.0	44.0	Bedrock	LS	NW-WPL
CW-15	Collection Well	Inactive	55.0	270.0	215.0	Overburden and Bedrock	LS	WPL
CW-15A	Collection Well	Inactive	18.0	68.0	50.0	Overburden and Bedrock	LS	WPL
CW-16	Collection Well	Inactive	25.0	52.0	27.0	Bedrock	LS	Former Central Plant Area
CW-17	Collection Well	Inactive	32.0	65.0	33.0	Bedrock	LS	NW-WPL
CW-20	Collection Well	Inactive	205.0	215.0	10.0	Bedrock	LS	WPL
CW-21	Collection Well	Active	49.5	100.0	50.5	Bedrock	LS	SPBA
CW-22	Collection Well	Active	64.0	100.0	36.0	Bedrock	LS	SPBA
CW-23	Collection Well	Active	34.0	61.0	27.0	Bedrock	LS	WPL
MPE-1	Monitoring Well	Active	32.0	50.0	18.0	Overburden	LS	SPBA
MPE-2	Monitoring Well	Active	35.0	66.0	31.0	Overburden	LS	SPBA
MPE-3	Monitoring Well	Active	27.0	43.0	16.0	Overburden	LS	SPBA
MW-1	Monitoring Well	Active	39.0	54.0	15.0	Bedrock	LS	SPA
MW-2	Monitoring Well	Active	46.0	121.0	75.0	Bedrock	SS	Eastern Site Perimeter
MW-3	Monitoring Well	Active	50.0	102.0	52.0	Bedrock	SS/Q	NPBA
MW-5	Monitoring Well	Active	10.0	53.0	43.0	Overburden and Bedrock	LS	Northern Site Perimeter
MW-6	Monitoring Well	Active	7.0	40.0	33.0	Overburden and Bedrock	LS	Northern Site Perimeter
MW-7	Monitoring Well	Active	13.0	35.0	22.0	Overburden and Bedrock	LS & SS	WPL
MW-8	Monitoring Well	Active	10.0	36.0	26.0	Overburden and Bedrock	LS & SS	WPL
MW-9	Monitoring Well	Active	59.0	97.0	38.0	Bedrock	SS/Phyl	NPBA
MW-10	Monitoring Well	Active	78.0	120.0	42.0	Bedrock	SS/Phyl	NPBA
MW-11	Monitoring Well	Active	20.0	74.0	54.0	Overburden and Bedrock	SS	NPBA
MW-12	Monitoring Well	Active	30.0	100.0	70.0	Bedrock	SS/Q	NPBA
MW-14	Monitoring Well	Active	18.0	80.0	62.0	Bedrock	SS/Q	Eastern Site Perimeter
MW-15	Monitoring Well	Active	40.0	120.0	80.0	Bedrock	SS/Q	EPBA
MW-16D	Monitoring Well	Active	190.0	201.0	11.0	Bedrock	SS/Q/Phyl	NPBA
MW-16S	Monitoring Well	Active	98.0	110.0	12.0	Bedrock	SS/Q/Phyl	NPBA
MW-18D	Monitoring Well	Active	130.0	140.0	10.0	Bedrock	SS/Q/Phyl	NPBA
MW-18S	Monitoring Well	Active	45.0	65.0	20.0	Bedrock	SS/Q/Phyl	NPBA
MW-19	Monitoring Well	Active	30.0	120.0	90.0	Bedrock	SS/Q	Former NETT
MW-20D	Monitoring Well	Active	153.0	165.0	12.0	Bedrock	SS/Q	NPBA
MW-20M	Monitoring Well	Active	72.0	85.0	13.0	Bedrock	SS/Q	NPBA
MW-20S	Monitoring Well	Active	28.0	61.0	33.0	Bedrock	SS/Q	NPBA
MW-22	Monitoring Well	Active	30.0	100.0	70.0	Bedrock	SS/Q	SPBA
MW-26	Monitoring Well	Active	7.0	60.0	53.0	Overburden	NA	Former NETT
MW-28	Monitoring Well	Active	8.0	55.0	47.0	Overburden and Bedrock	LS	Former TCA Tank Area
MW-30	Monitoring Well	Active	14.0	23.0	9.0	Overburden and Bedrock	LS	West Building 41
MW-31D	Monitoring Well	Active	66.0	81.0	15.0	Bedrock	LS	North Building 41
MW-31S	Monitoring Well	Active	12.0	36.0	24.0	Overburden	NA	North Building 41
MW-32D	Monitoring Well	Active	196.0	220.0	24.0	Bedrock	LS	Former TCA Tank Area
MW-32S	Monitoring Well	Active	133.0	148.0	15.0	Bedrock	LS	Former TCA Tank Area
MW-36D	Monitoring Well	Active	67.0	83.0	16.0	Bedrock	LS	West Building 41
MW-36S	Monitoring Well	Active	18.0	41.0	23.0	Overburden and Bedrock	LS	West Building 41

TABLE 2.2-4
Monitoring Information for Post-Remediation Care Activities in 2025
Former York Naval Ordnance Plant - York, PA

Well Identification	Type	Status	Depth to Top of Open Interval (feet bgs)	Depth to Base of Open Interval (feet bgs)	Open Interval Length (feet)	Open Interval in Overburden or Bedrock	Rock Type	Site Location
MW-37D	Monitoring Well	Active	125.0	141.0	16.0	Bedrock	LS	SW-WPL
MW-37S	Monitoring Well	Active	11.0	33.0	22.0	Overburden and Bedrock	LS	SW-WPL
MW-38D	Monitoring Well	Active	80.0	103.0	23.0	Bedrock	LS	WPL
MW-39D	Monitoring Well	Active	53.0	100.0	47.0	Bedrock	LS	NW-WPL
MW-39S	Monitoring Well	Active	3.0	30.0	27.0	Overburden and Bedrock	LS	NW-WPL
MW-40S	Monitoring Well	Active	26.0	47.0	21.0	Bedrock	LS	SPA
MW-40D	Monitoring Well	Active	78.0	103.0	25.0	Bedrock	LS	SPA
MW-43D	Monitoring Well	Active	79.0	92.0	13.0	Bedrock	LS	SPA
MW-43S	Monitoring Well	Active	19.0	48.0	29.0	Overburden and Bedrock	SS	SPA
MW-45	Monitoring Well	Active	6.0	38.0	32.0	Overburden and Bedrock	LS	Former West Building 4
MW-46	Monitoring Well	Active	6.0	39.0	33.0	Overburden and Bedrock	LS	Former West Building 4
MW-47	Monitoring Well	Active	12.0	56.0	44.0	Overburden	NA	Former West Building 4
MW-49D	Monitoring Well	Active	201.0	220.0	19.0	Bedrock	LS	Former North Building 4
MW-49S	Monitoring Well	Active	134.0	158.0	24.0	Bedrock	LS	Former North Building 4
MW-50D	Monitoring Well	Active	157.0	170.0	13.0	Bedrock	LS	Former North Building 4
MW-50S	Monitoring Well	Active	104.0	125.0	21.0	Bedrock	LS	Former North Building 4
MW-51D	Monitoring Well	Active	88.0	120.0	32.0	Bedrock	LS	Former North Building 4
MW-51S	Monitoring Well	Active	34.0	51.0	17.0	Bedrock	LS	Former North Building 4
MW-57	Monitoring Well	Active	25.0	35.0	10.0	Overburden	NA	Former Building 58
MW-64D	Monitoring Well	Active	68.0	77.0	9.0	Bedrock	LS	SPBA
MW-64S	Monitoring Well	Active	33.0	42.0	9.0	Overburden	NA	SPBA
MW-65D	Monitoring Well	Active	89.0	103.0	14.0	Bedrock	Q	Eastern Site Perimeter
MW-65S	Monitoring Well	Active	71.3	86.0	14.7	Bedrock	Q	Eastern Site Perimeter
MW-67D	Monitoring Well	Active	58.0	71.0	13.0	Bedrock	Q	EPBA
MW-67S	Monitoring Well	Active	12.8	31.0	18.2	Overburden	NA	EPBA
MW-69	Monitoring Well	Active	77.0	126.0	49.0	Bedrock	LS	South-Central Site Area
MW-70D	Monitoring Well	Active	68.0	85.0	17.0	Bedrock	SS/Q/Phyl	Former NETT
MW-70S	Monitoring Well	Active	15.8	35.0	19.2	Overburden	NA	Former NETT
MW-74D	Monitoring Well	Active	220.0	250.0	30.0	Bedrock	LS	NW-WPL
MW-74S	Monitoring Well	Active	175.0	201.0	26.0	Bedrock	LS	NW-WPL
MW-75D	Monitoring Well	Active	200.0	217.0	17.0	Bedrock	LS	SW-WPL
MW-75S	Monitoring Well	Active	151.0	190.0	39.0	Bedrock	LS	SW-WPL
MW-77	Monitoring Well	Active	35.0	67.0	32.0	Overburden	NA	Petroleum Plume Area
MW-78	Monitoring Well	Active	7.5	39.0	31.5	Overburden	NA	NPA
MW-79	Monitoring Well	Active	17.0	42.0	25.0	Overburden	NA	South-Central Site Area
MW-81S	Monitoring Well	Active	28.0	43.0	15.0	Overburden and Bedrock	LS	Former CPA
MW-81D	Monitoring Well	Active	52.0	66.0	14.0	Bedrock	LS	Former CPA
MW-82	Monitoring Well	Active	53.5	76.0	22.5	Bedrock	LS	Northern Site Perimeter
MW-84	Monitoring Well	Active	67.0	98.0	31.0	Bedrock	LS	NPA
MW-85	Monitoring Well	Active	120.0	150.0	30.0	Bedrock	LS	South-Central Site Area
MW-88	Monitoring Well	Active	30.0	50.0	20.0	Bedrock	LS	South-Central Site Area
MW-91	Monitoring Well	Active	50.0	75.0	25.0	Bedrock	Q	EPBA
MW-92	Monitoring Well	Active	50.0	100.5	50.5	Bedrock	Q	EPBA
MW-93D	Monitoring Well	Active	134.7	160.0	25.3	Bedrock	LS/Dolo	SW-WPL
MW-93S	Monitoring Well	Active	24.0	45.0	21.0	Bedrock	LS/Dolo	SW-WPL
MW-95	Monitoring Well	Active	37.0	49.5	12.5	Bedrock	LS	NW-WPL
MW-96D	Monitoring Well	Active	75.0	87.5	12.5	Bedrock	LS	NW-WPL
MW-96S	Monitoring Well	Active	27.0	39.0	12.0	Bedrock	LS	NW-WPL
MW-97	Monitoring Well	Active	66.0	80.0	14.0	Bedrock	LS	WPL
MW-98D	Monitoring Well	Active	128.0	171.0	43.0	Bedrock	LS/Phyl	Levee Area
MW-98I	Monitoring Well	Active	98.0	105.0	7.0	Bedrock	LS/Phyl	Levee Area
MW-98S	Monitoring Well	Active	58.0	68.0	10.0	Bedrock	LS	Levee Area
MW-99D	Monitoring Well	Active	125.5	142.0	16.5	Bedrock	LS	Levee Area
MW-99S	Monitoring Well	Active	57.8	74.3	16.5	Bedrock	LS	Levee Area

TABLE 2.2-4
Monitoring Information for Post-Remediation Care Activities in 2025
Former York Naval Ordnance Plant - York, PA

Well Identification	Type	Status	Depth to Top of Open Interval (feet bgs)	Depth to Base of Open Interval (feet bgs)	Open Interval Length (feet)	Open Interval in Overburden or Bedrock	Rock Type	Site Location
MW-100D	Monitoring Well	Active	93.0	114.0	21.0	Bedrock	LS	Levee Area
MW-100I	Monitoring Well	Active	60.0	66.0	6.0	Bedrock	LS	Levee Area
MW-100S	Monitoring Well	Active	45.0	51.0	6.0	Bedrock	LS	Levee Area
MW-101D	Monitoring Well	Active	76.0	115.0	39.0	Bedrock	LS	Levee Area
MW-101S	Monitoring Well	Active	18.0	40.0	22.0	Overburden and Bedrock	LS	Levee Area
MW-102D	Monitoring Well	Active	75.0	99.0	24.0	Bedrock	SS	Former NETT
MW-102S	Monitoring Well	Active	41.0	65.0	24.0	Overburden	NA	Former NETT
MW-103D	Monitoring Well	Active	94.7	106.7	12.0	Bedrock	Phyl/Q	Former NETT
MW-103S	Monitoring Well	Active	62.3	87.5	25.2	Overburden	NA	Former NETT
MW-105	Monitoring Well	Active	10.0	22.0	12.0	Overburden	NA	NW-WPL
MW-106	Monitoring Well	Active	15.0	28.0	13.0	Overburden	NA	WPL
MW-107	Monitoring Well	Active	11.0	23.0	12.0	Overburden	NA	SW-WPL
MW-108D	Monitoring Well	Active	72.0	149.0	77.0	Bedrock	LS/SS/Q	SPBA
MW-108S	Monitoring Well	Active	22.9	55.1	32.2	Overburden	NA	SPBA
MW-109D	Monitoring Well	Active	88.0	100.0	12.0	Bedrock	LS	SPA
MW-109S	Monitoring Well	Active	42.9	65.0	22.1	Overburden	NA	SPA
MW-110	Monitoring Well	Active	31.5	44.0	12.5	Bedrock	LS	SPA
MW-111	Monitoring Well	Active	82.0	149.0	67.0	Bedrock	Phyl/Q	South-Central Site Area
MW-112	Monitoring Well	Active	97.5	120.0	22.5	Bedrock	LS	South-Central Site Area
MW-113	Monitoring Well	Active	125.0	151.0	26.0	Bedrock	LS	Former Building 58
MW-114	Monitoring Well	Active	90.0	143.7	53.7	Bedrock	LS	Former CPA
MW-115	Monitoring Well	Active	111.5	124.5	13.0	Bedrock	LS	South-Central Site Area
MW-116	Monitoring Well	Active	27.0	50.8	23.8	Overburden and Bedrock	Phyl/LS	North Building 41
MW-126	Monitoring Well	Active	35.0	62.0	27.0	Bedrock	LS	Former Building 58
MW-127	Monitoring Well	Active	57.7	82.0	24.3	Bedrock	LS	Former Building 58
MW-128	Monitoring Well	Active	49.0	73.0	24.0	Bedrock	LS	Former Building 58
MW-129	Monitoring Well	Active	40.0	64.0	24.0	Bedrock	LS	Former Building 58
MW-131	Monitoring Well	Active	24.0	46.0	22.0	Overburden and Bedrock	LS	Former CPA
MW-134	Monitoring Well	Active	42.0	65.0	23.0	Bedrock	LS	Former West Building 2
MW-136A (270-348)	Waterloo Monitoring Well	Active	270.0	348.0	78.0	Bedrock	LS	SW-WPL
MW-136A (356-356.5)	Waterloo Monitoring Well	Active	351.0	365.5	14.5	Bedrock	LS	SW-WPL
MW-136A (372.5-373)	Waterloo Monitoring Well	Active	368.5	378.0	9.5	Bedrock	LS	SW-WPL
MW-136A (434-434.5)	Waterloo Monitoring Well	Active	429.0	438.5	9.5	Bedrock	LS	SW-WPL
MW-136A (459.5-460)	Waterloo Monitoring Well	Active	441.5	467.0	25.5	Bedrock	Dolo	SW-WPL
MW-137A (295.5-296)	Waterloo Monitoring Well	Active	270.0	306.0	36.0	Bedrock	LS	Former TCA Tank Area
MW-137A (343-343.5)	Waterloo Monitoring Well	Active	340.0	350.5	10.5	Bedrock	LS	Former TCA Tank Area
MW-137A (374.5-375)	Waterloo Monitoring Well	Active	369.5	384.0	14.5	Bedrock	Marble	Former TCA Tank Area
MW-137A (420-420.5)	Waterloo Monitoring Well	Active	415.0	426.5	11.5	Bedrock	Marble/Q	Former TCA Tank Area
MW-137A (434.5-435)	Waterloo Monitoring Well	Active	429.5	452.0	22.5	Bedrock	Q	Former TCA Tank Area
MW-138A	Monitoring Well	Active	260.0	320.0	60.0	Bedrock	LS/Dolo	Former Building 58
MW-139A (305-305.5)	Waterloo Monitoring Well	Active	295.0	325.5	30.5	Bedrock	Dolo	Former North Building 4
MW-139A (333.5-334)	Waterloo Monitoring Well	Active	328.5	357.0	28.5	Bedrock	Dolo	Former North Building 4
MW-139A (365-365.5)	Waterloo Monitoring Well	Active	360.0	370.5	10.5	Bedrock	Dolo	Former North Building 4
MW-139A (421.5-422)	Waterloo Monitoring Well	Active	416.5	426.0	9.5	Bedrock	Dolo	Former North Building 4
MW-139A (454-454.5)	Waterloo Monitoring Well	Active	452.0	470.0	18.0	Bedrock	Dolo	Former North Building 4
MW-140A (209.5-210)	Waterloo Monitoring Well	Active	205.0	215.0	10.0	Bedrock	Phyl/Q/Dolo/LS/Marble	Former East Building 2
MW-140A (285-285.5)	Waterloo Monitoring Well	Active	278.5	289.3	10.8	Bedrock	Phyl/Q/Dolo/LS/Marble	Former East Building 2
MW-140A (323.5-324)	Waterloo Monitoring Well	Active	318.5	326.0	7.5	Bedrock	Phyl/Q/Dolo/LS/Marble	Former East Building 2
MW-140A (372-372.5)	Waterloo Monitoring Well	Active	367.0	378.5	11.5	Bedrock	Phyl/Q/Dolo/LS/Marble	Former East Building 2
MW-140A (407.5-408)	Waterloo Monitoring Well	Active	402.5	416.0	13.5	Bedrock	Phyl/Q/Dolo/LS/Marble	Former East Building 2
MW-141A	Monitoring Well	Active	200.0	300.0	100.0	Bedrock	LS/Dolo	SPBA
MW-142D	Monitoring Well	Active	122.0	145.4	23.4	Bedrock	SS/Phyl	NPBA
MW-142S	Monitoring Well	Active	56.0	70.0	14.0	Bedrock	SS/Phyl	NPBA
MW-143D	Monitoring Well	Active	117.4	134.0	16.6	Bedrock	Dolo	NPBA

TABLE 2.2-4
Monitoring Information for Post-Remediation Care Activities in 2025
Former York Naval Ordnance Plant - York, PA

Well Identification	Type	Status	Depth to Top of Open Interval (feet bgs)	Depth to Base of Open Interval (feet bgs)	Open Interval Length (feet)	Open Interval in Overburden or Bedrock	Rock Type	Site Location
MW-143S	Monitoring Well	Active	24.0	54.5	30.5	Overburden	NA	NPBA
MW-144	Monitoring Well	Active	12.0	24.0	12.0	Overburden	NA	Levee Area
MW-145A	Monitoring Well	Active	200.0	250.0	50.0	Bedrock	LS/Dolo	Levee Area
MW-146	Monitoring Well	Active	13.0	25.0	12.0	Overburden	NA	Levee Area
MW-147A	Monitoring Well	Active	200.0	250.0	50.0	Bedrock	LS/Dolo	Levee Area
MW-148A (72.5-73)	Waterloo Monitoring Well	Active	67.0	78.0	11.0	Bedrock	Phyl/LS/Dolo	West Side Codorus Creek
MW-148A (136-136.5)	Waterloo Monitoring Well	Active	130.0	140.5	10.5	Bedrock	Phyl/LS/Dolo	West Side Codorus Creek
MW-148A (218-218.5)	Waterloo Monitoring Well	Active	210.7	221.0	10.3	Bedrock	Phyl/LS/Dolo	West Side Codorus Creek
MW-150	Monitoring Well	Active	147.5	200.0	52.5	Bedrock	Marble	SPA
MW-151	Monitoring Well	Active	20.2	72.0	51.8	Bedrock	LS/Dolo/Q	SPA
MW-152 (23-23.5)	Waterloo Monitoring Well	Active	13.0	30.5	17.5	Overburden and Bedrock	LS/Dolo	Giambalvo Property
MW-152 (137.5-138)	Waterloo Monitoring Well	Active	122.5	200.0	77.5	Bedrock	LS	Giambalvo Property
MW-155	Monitoring Well	Active	10.5	24.0	13.5	Bedrock	LS	Levee Area
MW-156	Monitoring Well	Active	4.0	22.0	18.0	Overburden	NA	Levee Area
MW-161	Monitoring Well	Active	53.0	65.7	12.7	Overburden	NA	SPBA
MW-162R	Monitoring Well	Active	30.0	70.0	40.0	Overburden and Bedrock	LS	SPBA
MW-163	Monitoring Well	Active	32.8	55.0	22.2	Bedrock	LS	SPBA
MW-164	Monitoring Well	Active	40.0	53.0	13.0	Bedrock	SS/Q	SPBA
MW-165	Monitoring Well	Active	47.5	70.5	23.0	Bedrock	SS/Dolo	SPBA
MW-166	Monitoring Well	Active	39.0	52.0	13.0	Overburden	NA	SPBA
MW-167	Monitoring Well	Active	39.0	52.0	13.0	Overburden	NA	SPBA
MW-168	Monitoring Well	Active	28.5	42.0	13.5	Overburden	NA	SPBA
MW-169	Monitoring Well	Active	32.5	47.0	14.5	Overburden	NA	SPBA
MW-170	Monitoring Well	Active	19.2	32.3	13.1	Overburden	NA	SPBA
MW-171	Monitoring Well	Active	30.8	43.5	12.7	Overburden and Bedrock	LS	SPBA
MW-172	Monitoring Well	Active	23.9	38.5	14.6	Overburden	NA	SPA
MW-173	Monitoring Well	Active	18.7	32.8	14.1	Overburden	NA	SPA
MW-174	Monitoring Well	Active	18.9	31.8	12.9	Overburden	NA	SPA
MW-175	Monitoring Well	Active	16.6	28.9	12.3	Overburden	NA	SPA
MW-176	Monitoring Well	Active	28.0	51.0	23.0	Overburden	NA	SPBA
MW-177R	Monitoring Well	Active	27.5	65.0	37.5	Overburden and Bedrock	LS	SPBA
MW-178D	Monitoring Well	Active	90.0	100.0	10.0	Bedrock	LS	SPBA
MW-178S	Monitoring Well	Active	72.0	84.0	12.0	Bedrock	LS	SPBA
MW-179	Monitoring Well	Active	36.0	66.0	30.0	Overburden	NA	SPBA
MW-180	Monitoring Well	Active	36.0	62.0	26.0	Overburden	NA	SPBA
MW-181D	Monitoring Well	Active	93.0	100.0	7.0	Bedrock	LS	SPBA
MW-181S	Monitoring Well	Active	61.0	71.0	10.0	Bedrock	LS	SPBA
MW-182	Monitoring Well	Active	27.0	39.0	12.0	Overburden	NA	SPBA
MW-183	Monitoring Well	Active	27.0	40.0	13.0	Overburden	NA	SPBA
MW-184D	Monitoring Well	Active	66.0	74.0	8.0	Bedrock	LS	SPBA
MW-184S	Monitoring Well	Active	51.0	59.0	8.0	Bedrock	SS	SPBA
MW-185	Monitoring Well	Active	55.9	77.5	21.6	Bedrock	Q	EPBA
MW-186	Monitoring Well	Active	29.9	63.0	33.1	Bedrock	Q	Northern Site Perimeter
Cole B	Monitoring Well	Active	6.0	16.0	10.0	Overburden and Bedrock	NA	SPA
Cole D	Monitoring Well	Active	25.0	35.0	10.0	Overburden and Bedrock	LS	SPA
Cole E deep	Monitoring Well	Active	--	--	--	--	--	SPA
Cole E shallow	Monitoring Well	Active	--	--	--	--	--	SPA
Cole F	Monitoring Well	Active	18.0	34.0	16.0	Overburden and Bedrock	NA	SPA
Cole (Flush)	Monitoring Well	Active	12.0	25.0	13.0	Overburden and Bedrock	NA	SPA
GM-1D	Monitoring Well	Active	32.0	44.0	12.0	Overburden and Bedrock	LS	SPA
MW-4 (Cole)	Monitoring Well	Active	13.0	32.0	19.0	Overburden and Bedrock	NA	SPA
Cole Steel (MW-12)	Monitoring Well	Active	16.0	50.0	34.0	Overburden and Bedrock	LS	SPA
CODORUS 1	Bridge Surface Gaging Point	Active	NA	NA	NA	NA	NA	Codorus Creek
CODORUS 2	Staff Gage	Inactive	NA	NA	NA	NA	NA	Codorus Creek

TABLE 2.2-4
Monitoring Information for Post-Remediation Care Activities in 2025
Former York Naval Ordnance Plant - York, PA

Well Identification	Type	Status	Depth to Top of Open Interval (feet bgs)	Depth to Base of Open Interval (feet bgs)	Open Interval Length (feet)	Open Interval in Overburden or Bedrock	Rock Type	Site Location
JOHNSON 1	Surface Water	Active	NA	NA	NA	NA	NA	Johnson's Run
JOHNSON 2	Surface Water	Active	NA	NA	NA	NA	NA	Johnson's Run
RW-4 (Folk)	Residential Well	Active	--	--	--	--	Q	NPBA
RW-5 (Giambalvo)	Monitoring Well	Active	--	--	--	--	--	Giambalvo Property
RW-6 (Kinsley Well)	Monitoring Well	Active	--	--	--	--	--	Northern Site Perimeter
WPL-SS-7	Monitoring Well	Active	13.0	27.0	14.0	Overburden	NA	WPL
WPL-SS-8	Monitoring Well	Active	12.0	24.0	12.0	Overburden and Bedrock	LS	NW-WPL
COD-SW-6	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-7	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-8	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-9	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-13	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-15	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-16	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-17	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-26	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-27	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-28	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
COD-SW-29	Surface Water Location	Active	NA	NA	NA	NA	NA	Codorus Creek
Notes: bgs - below ground surface NA - Not Applicable -- = Information not available CPA - Central Plant Area EPBA - Eastern Property Boundary Area NPBA - Northern Property Boundary Area NW-WPL - Northwest West Parking Lot NETT - North End Test Track NPA - North Plant Area SPA - South Plume Area SPBA - Southern Property Boundary Area SW-WPL - Southwest West Parking Lot TCA - 1,1,1-Trichloroethane Recent well abandonments include MW-86S/D, 187, 188, and 189 in 2023; MW-80 and 87 in 2024; and MW-17, 66S/D, and 68 in 2025. Dolo - Dolostone LS - Limestone Phyl - Phyllite Q - Quartzite SS - Sandstone								

TABLE 2.2-5
MNA Area Well Information for 2025
Former York Naval Ordnance Plant - York, PA

Well Identification	Well Type	Well Status	Depth to Top of Open Interval (feet bgs)	Depth to Base of Open Interval (feet bgs)	Open Interval Length (feet)	Open Interval in Overburden or Bedrock	Bedrock Type	Site Area Designation
CW-1A	Collection Well	Inactive	29.0	74.0	45.0	Bedrock	Phyl	NPBA
CW-2	Collection Well	Inactive	48.0	150.0	102.0	Bedrock	SS/Phyl	NPBA
MW-2	Monitoring Well	Active	46.0	121.0	75.0	Bedrock	SS	Eastern Site Perimeter
MW-3	Monitoring Well	Active	50.0	102.0	52.0	Bedrock	SS/Q	NPBA
MW-5	Monitoring Well	Active	10.0	53.0	43.0	Overburden and Bedrock	LS	Northern Site Perimeter
MW-6	Monitoring Well	Active	7.0	40.0	33.0	Overburden and Bedrock	LS	Northern Site Perimeter
MW-9	Monitoring Well	Active	59.0	97.0	38.0	Bedrock	SS/Phyl	NPBA
MW-12	Monitoring Well	Active	30.0	100.0	70.0	Bedrock	SS/Q	NPBA
MW-14	Monitoring Well	Active	18.0	80.0	62.0	Bedrock	SS/Q	Eastern Site Perimeter
MW-16S	Monitoring Well	Active	98.0	110.0	12.0	Bedrock	SS/Q/Phyl	NPBA
MW-18D	Monitoring Well	Active	130.0	140.0	10.0	Bedrock	SS/Q/Phyl	NPBA
MW-18S	Monitoring Well	Active	45.0	65.0	20.0	Bedrock	SS/Q/Phyl	NPBA
MW-20M	Monitoring Well	Active	72.0	85.0	13.0	Bedrock	SS/Q	NPBA
MW-20S	Monitoring Well	Active	28.0	61.0	33.0	Bedrock	SS/Q	NPBA
MW-22	Monitoring Well	Active	30.0	100.0	70.0	Bedrock	SS/Q	SPBA
MW-43D	Monitoring Well	Active	79.0	92.0	13.0	Bedrock	LS	SPA
MW-65S	Monitoring Well	Active	71.3	86.0	14.7	Bedrock	Q	Eastern Site Perimeter
MW-67D	Monitoring Well	Active	58.0	71.0	13.0	Bedrock	Q	South-Central Site Area
MW-67S	Monitoring Well	Active	12.8	31.0	18.2	Overburden	NA	South-Central Site Area
MW-69	Monitoring Well	Active	77.0	126.0	49.0	Bedrock	LS	South-Central Site Area
MW-79	Monitoring Well	Active	17.0	42.0	25.0	Overburden	NA	South-Central Site Area
MW-82	Monitoring Well	Active	53.5	76.0	22.5	Bedrock	LS	Northern Site Perimeter
MW-88	Monitoring Well	Active	30.0	50.0	20.0	Bedrock	LS	South-Central Site Area
MW-101D	Monitoring Well	Active	76.0	115.0	39.0	Bedrock	LS	Levee Area
MW-101S	Monitoring Well	Active	18.0	40.0	22.0	Overburden and Bedrock	LS	Levee Area
MW-108D	Monitoring Well	Active	72.0	149.0	77.0	Bedrock	LS/SS/Q	SPBA
MW-108S	Monitoring Well	Active	22.9	55.1	32.2	Overburden	NA	SPBA
MW-110	Monitoring Well	Active	31.5	44.0	12.5	Bedrock	LS	SPA
MW-111	Monitoring Well	Active	82.0	149.0	67.0	Bedrock	Phyl/Q	South-Central Site Area
MW-112	Monitoring Well	Active	97.5	120.0	22.5	Bedrock	LS	South-Central Site Area
MW-115	Monitoring Well	Active	111.5	124.5	13.0	Bedrock	LS	South-Central Site Area
MW-143D	Monitoring Well	Active	117.4	134.0	16.6	Bedrock	Dolo	NPBA
MW-143S	Monitoring Well	Active	24.0	54.5	30.5	Overburden	NA	NPBA
MW-148A (72.5-73)	Monitoring Well	Active	67.0	78.0	11.0	Bedrock	Phyl/LS/Dolo	West Side Codorus Creek
MW-148A (136-136.5)	Monitoring Well	Active	130.0	140.5	10.5	Bedrock	Phyl/LS/Dolo	West Side Codorus Creek
MW-150	Monitoring Well	Active	147.5	200.0	52.5	Bedrock	Marble	SPA
MW-165	Monitoring Well	Active	47.5	70.5	23.0	Bedrock	SS/Dolo	SPBA
MW-166	Monitoring Well	Active	39.0	52.0	13.0	Overburden	NA	SPBA
MW-167	Monitoring Well	Active	39.0	52.0	13.0	Overburden	NA	SPBA
MW-168	Monitoring Well	Active	28.5	42.0	13.5	Overburden	NA	SPBA
MW-186	Monitoring Well	Active	29.9	63.0	33.1	Bedrock	Q	Northern Site Perimeter
Cole D	Monitoring Well	Active	25.0	35.0	10.0	Overburden and Bedrock	LS	SPA
MW-12 (Cole Steel)	Monitoring Well	Active	16.0	50.0	34.0	Overburden and Bedrock	LS	SPA
GM-1D	Monitoring Well	Active	32.0	42.0	10.0	Overburden and Bedrock	LS	SPA
Notes: bgs - below ground surface NPBA - Northern Property Boundary Area SPA - South Plume Area SPBA - Southern Property Boundary Area NA - Not Applicable			Dolo - Dolostone LS - Limestone Phyl - Phyllite Q - Quartzite SS - Sandstone					

TABLE 3.0-1
Surface Water Quality Application - Surface Water Sampling Locations
Former York Naval Ordnance Plant - York, PA

Surface Water Sampling Location	Pennsylvania Department of Environmental Protection Surface Water Quality Criteria			
	Fish and Aquatic Life		Human Health	
	AFC	CFC	CRL	H
COD-SW-26	X			
COD-SW-6	X	X	X	X
COD-SW-7	X	X	X	X
COD-SW-17	X			
COD-SW-16	X	X		
COD-SW-27	X	X		
COD-SW-15	X			
COD-SW-13	X	X		
COD-SW-28	X	X		
COD-SW-8	X	X		
COD-SW-9	X	X		
COD-SW-29	X	X	X	X
Notes: AFC - Acute Fish Criteria or Criteria Maximum Concentration CFC - Chronic Fish Criteria or Criteria Continuous Concentration CRL - Cancer Risk Level at 1×10^{-6} H - Threshold human health criteria X - Applicable surface water quality criteria from 25 Pa. Code Chapter 93 applies to samples collected from this location				

TABLE 3.0-2
Surface Water Quality Criteria
Former York Naval Ordnance Plant - York, PA

Constituent of Concern	Pennsylvania Department of Environmental Protection Surface Water Quality Criteria			
	Fish and Aquatic Life		Human Health	
	AFC (µg/L)	CFC (µg/L)	CRL (µg/L)	H (µg/L)
cis-1,2-Dichloroethene (cis12DCE)	NE	NE	NE	12
Tetrachloroethene (PCE)	700	140	10	NE
Trichloroethene (TCE)	2,300	450	0.6	NE
Vinyl Chloride (VC)	NE	NE	0.02	NE
Notes: Surface water quality criteria from 25 Pa. Code Chapter 93 - Water Quality Standards (Table 5 - Water Quality Criteria for Toxic Substances). The CRL values for PCE, TCE, and VC were amended on July 10, 2020 and are different than the CRL values in the Cleanup Plan. AFC - Acute Fish Criteria or Criteria Maximum Concentration CFC - Chronic Fish Criteria or Criteria Continuous Concentration CRL - Cancer Risk Level at 1×10^{-6} H - Threshold human health criterion µg/L - micrograms per liter NE - Criterion not established				

TABLE 3.0-3
Monthly Surface Water Monitoring Information - 2025
Former York Naval Ordnance Plant - York, PA

Sample Description	Surface Water Sample Collection Date	Average Daily Stream Gage Discharge on Sample Collection Date Cubic Feet Per Second (cfs) ⁽¹⁾
Monthly Surface Water Sampling Conducted with the WPL Groundwater Extraction System Off	01/24/25	71
	02/27/25	79
	03/27/25	81
	04/24/25	87
	05/27/25	188
	06/25/25	123
	07/29/25	152
	08/28/25	84
	09/22/25	74
	10/24/25	74
	11/24/25	76
	12/23/25	64
(1) Stream Gage Location - USGS 01575500 Codorus Creek near York, PA		

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

[illegible]

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

- Estimated. Detected concentration between the laboratory
LRL and the Method Detection Limit (MDL) shown as the
approximate concentration reported by the laboratory
followed by "J". These "J" concentrations were positively
identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification	COD-SW-15	COD-SW-15	COD-SW-15	COD-SW-15	COD-SW-15	COD-SW-15	COD-SW-15	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16	COD-SW-16
Sample Date	7/29/2025	8/28/2025	9/22/2025	10/24/2025	11/24/2025	12/23/2025	1/24/2025	2/27/2025	3/27/2025	4/24/2025	5/27/2025	6/25/2025	7/29/2025	8/28/2025	9/22/2025	10/24/2025	11/24/2025	12/23/2025
Parameter																		
Volatile Organic Compound																		
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.28 J	0.24 J	0.24 J	0.39 J	0.34 J	0.41 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.16 J	0.14 J	0.13 J	0.22 J	0.26 J	0.17 J	0.16 J
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.12 J	0.11 J	0.12 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.17 J	0.17 J	0.17 J	0.24 J	0.21 J	0.23 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	1.9 J	1.5 J	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	2.4 J	1.7 J	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.2 J	0.21 J	0.19 J	0.2 J	0.19 J	0.19 J	0.15 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.095 J	0.5 U	0.11 J	0.1 J	0.09 J
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	1.2	0.93	0.96	1.7	1.4	1.9	0.11 J	0.14 J	0.16 J	0.15 J	0.5 U	0.16 J	0.12 J	0.18 J	0.24 J	0.36 J	0.34 J	0.25 J
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	4.1	3.9	3.9	5.2	4.8	5	0.71	0.64	1.6	0.56	0.65	2.4	2.3	2.1	3.1	3.8	2.6	2.7
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.087 J	0.5 U	0.082 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	1.3	1.1	1.2	1.7	1.4	1.6	0.19 J	0.22 J	0.25 J	0.21 J	0.14 J	0.14 J	0.14 J	0.18 J	0.22 J	0.34 J	0.42 J	0.36 J
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Sample Date	COD-SW-17 Dup	COD-SW-17	COD-SW-17	COD-SW-17 Dup	COD-SW-17 Dup	COD-SW-17	COD-SW-17	COD-SW-17 Dup	COD-SW-17	COD-SW-17 Dup	COD-SW-17	COD-SW-17 Dup	COD-SW-17 Dup	COD-SW-17	COD-SW-17	COD-SW-17 Dup
	1/24/2025	1/24/2025	2/27/2025	2/27/2025	3/27/2025	3/27/2025	4/24/2025	4/24/2025	5/27/2025	5/27/2025	6/25/2025	6/25/2025	7/29/2025	7/29/2025	8/28/2025	8/28/2025
Parameter																
Volatile Organic Compound																
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	11	12	14	14	13	13	12	12	12	12	10	11	9.5	9.6	11	11
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	1.7	1.8	2.4	2.1	2.1	1.9	2.2	2.1	2	2.1	1.7	1.7	1.6	1.6	1.8	1.8
1,1-Dichloroethene	0.65	0.72	1	0.97	0.78	0.92	0.9	0.93	0.9	0.92	0.77	0.81	0.71	0.72	0.87	0.89
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.19 J	0.21 J	0.18 J	0.19 J	0.19 J	0.18 J	0.17 J	0.19 J	0.17 J	0.18 J	0.18 J	0.18 J	0.19 J	0.2 J	0.22 J	0.21 J
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ
cis-1,2-Dichloroethene	2	2.1	3.1	2.7	2.7	2.8	2.1	2.1	2.3	2.3	2.4	2.4	2.3	2.3	2.5	2.5
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	150	140	160	180	180	150	140	140	150	150	130	120	130	130	130	140
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	3.4	3.6	4.8	4.7	5.4	6	3.7	3.7	4.4	4.6	3.7	3.6	3.2	3.2	4.5	4.5
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Sample Date	COD-SW-17 9/22/2025	COD-SW-17 Dup 9/22/2025	COD-SW-17 10/24/2025	COD-SW-17 Dup 10/24/2025	COD-SW-17 11/24/2025	COD-SW-17 12/23/2025	COD-SW-17 Dup 12/23/2025	COD-SW-26 1/24/2025	COD-SW-26 2/27/2025	COD-SW-26 3/27/2025	COD-SW-26 4/24/2025	COD-SW-26 5/27/2025	COD-SW-26 6/25/2025	COD-SW-26 7/29/2025	COD-SW-26 8/28/2025	COD-SW-26 9/22/2025	COD-SW-26 10/24/2025
Parameter																	
Volatile Organic Compound																	
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	11	11	15	14	12	12	11	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	1.7	1.7	2.4	2.4	2.1	2.1	2.1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.88 J	0.82 J	1.1 J	1.1 J	0.94	0.89	0.87	0.5 U	0.13 J	0.5 U	0.13 J	0.5 U	0.5 U	0.5 U	0.5 U	0.11 J	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	2.6 J
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.22 J	0.21 J	0.2 J	0.2 J	0.18 J	0.19 J	0.18 J	0.54	0.88	0.62	0.68	0.64	0.11 J	0.15 J	1	1.3	0.19 J
Chloromethane	0.5 U	0.16 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	2.4	2.3	3	3	2.8	3	2.9	0.086 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.22 J
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	140 J	140	170	170	130	150	150	2.2	4.5	2.9	4	3.3	0.5 U	0.5 U	3	3.3	0.25 J
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.085 J	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	3.9	4.1	5.3	5.2	4.6	4.7	4.6	0.19 J	0.18 J	0.16 J	0.16 J	0.14 J	0.5 U	0.5 U	0.13 J	0.17 J	0.22 J
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Sample Date	COD-SW-26 11/24/2025	COD-SW-26 12/23/2025	COD-SW-27 1/24/2025	COD-SW-27 2/27/2025	COD-SW-27 3/27/2025	COD-SW-27 4/24/2025	COD-SW-27 5/27/2025	COD-SW-27 6/25/2025	COD-SW-27 7/29/2025	COD-SW-27 8/28/2025	COD-SW-27 9/22/2025	COD-SW-27 10/24/2025	COD-SW-27 11/24/2025	COD-SW-27 12/23/2025	COD-SW-28 1/24/2025	COD-SW-28 2/27/2025	COD-SW-28 3/27/2025	COD-SW-28 4/24/2025
Parameter																		
Volatile Organic Compound																		
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	1.8 J	5 U	5 U	5 U	5 U	5 U	1.7 J	5 U	2.2 J	1.9 J	5 U	2.6 J	1.8 J	1.9 J	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.12 J	0.5 U	0.29 J	0.5 U	0.5 U	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.092 J	0.5 U	0.2 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	1.1	1.1	1	0.13 J	0.16 J	0.17 J	1.4	0.12 J	0.12 J	0.14 J	0.65	0.19 J	1	0.46 J	0.16 J	0.15 J	0.11 J	0.12 J
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.12 J	0.14 J	0.097 J	0.13 J	0.13 J	0.091 J	0.5 U	0.16 J	0.13 J	0.25 J	0.24 J	0.15 J	0.5 U	0.089 J	0.086 J	0.091 J
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	2.7	3.4	0.72	0.5 U	0.5 U	0.5 U	0.61	0.5 U	0.5 U	0.5 U	0.39 J	0.5 U	0.46 J	0.5 U	0.5 U	0.3 J	0.22 J	0.27 J
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.085 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.12 J	0.24 J	0.11 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.14 J	0.14 J	0.27 J	0.2 J	0.16 J	0.17 J	0.22 J	0.11 J	0.093 J	0.16 J	0.16 J	0.23 J	0.3 J	0.21 J	0.14 J	0.14 J	0.13 J	0.16 J
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Sample Date	COD-SW-28 5/27/2025	COD-SW-28 6/25/2025	COD-SW-28 7/29/2025	COD-SW-28 8/28/2025	COD-SW-28 9/22/2025	COD-SW-28 10/24/2025	COD-SW-28 11/24/2025	COD-SW-28 12/23/2025	COD-SW-29 1/24/2025	COD-SW-29 2/27/2025	COD-SW-29 3/27/2025	COD-SW-29 4/24/2025	COD-SW-29 5/27/2025	COD-SW-29 6/25/2025	COD-SW-29 7/29/2025	COD-SW-29 8/28/2025	COD-SW-29 9/22/2025	COD-SW-29 10/24/2025
Parameter																		
Volatile Organic Compound																		
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Acetone	5 U	1.8 UJ	5 U	1.6 J	5 U	1.9 J	5 U	5 U	2.2 J	5 U	5 U	5 U	5 U	5 UJ	5 U	2 J	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.13 J	0.15 J	0.15 J	0.12 J	0.5 U	0.12 J	0.13 J	0.15 J	0.14 J	0.5 U	0.5 U	0.094 J	0.5 U	0.091 J	0.5 U	0.11 J	0.094 J	0.11 J
Chloromethane	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.09 J	0.5 U	0.11 J	0.14 J	0.19 J	0.15 J	0.18 J	0.14 J	0.15 J	0.14 J	0.16 J	0.092 J	0.11 J	0.5 U	0.18 J	0.19 J	0.28 J
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.26 J	0.22 J	0.5 U	0.23 J	0.5 U	0.3 J	0.24 J	0.26 J	0.62	0.75	0.74	0.57	0.52	0.36 J	0.42 J	0.68	0.58	0.83
Toluene	0.5 U	0.09 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.11 J	0.5 U	0.099 J	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.11 J	0.11 J	0.097 J	0.15 J	0.11 J	0.19 J	0.18 J	0.24 J	0.23 J	0.21 J	0.22 J	0.22 J	0.14 J	0.11 J	0.096 J	0.16 J	0.14 J	0.28 J
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Sample Date	COD-SW-29 11/24/2025	COD-SW-29 12/23/2025	COD-SW-6 1/24/2025	COD-SW-6 2/27/2025	COD-SW-6 3/27/2025	COD-SW-6 4/24/2025	COD-SW-6 5/27/2025	COD-SW-6 6/25/2025	COD-SW-6 7/29/2025	COD-SW-6 8/28/2025	COD-SW-6 9/22/2025	COD-SW-6 10/24/2025	COD-SW-6 11/24/2025	COD-SW-6 12/23/2025	COD-SW-7 1/24/2025	COD-SW-7 2/27/2025	COD-SW-7 3/27/2025	COD-SW-7 4/24/2025	COD-SW-7 5/27/2025	COD-SW-7 6/25/2025
Parameter																				
Volatile Organic Compound																				
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
Acetone	1.9 J	5 U	2 J	5 U	5 U	5 U	5 UJ	2.2 UJ	5 U	1.8 J	5 U	NS	5 U	5 U	2.1 J	1.8 J	5 U	5 U	5 UJ	1.5 UJ
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Chloroform	0.11 J	0.098 J	0.16 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.16 J	0.14 J	0.12 J	0.13 J	0.099 J	0.13 J
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.16 J	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
cis-1,2-Dichloroethene	0.32 J	0.25 J	0.095 J	0.11 J	0.5 U	0.5 U	0.083 J	0.5 U	0.5 U	0.13 J	0.085 J	NS	0.5 U	0.5 U	0.12 J	0.12 J	0.5 U	0.15 J	0.11 J	0.5 U
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.86	0.98	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.083 J	0.5 U	0.082 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.38 J	0.36 J	0.18 J	0.17 J	0.5 U	0.1 J	0.11 J	0.5 U	0.5 U	0.12 J	0.5 U	NS	0.5 U	0.5 U	0.24 J	0.23 J	0.19 J	0.26 J	0.13 J	0.13 J
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Sample Date	COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-7	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-8	COD-SW-9	COD-SW-9
	7/29/2025	8/28/2025	9/22/2025	10/24/2025	11/24/2025	12/23/2025	1/24/2025	2/27/2025	3/27/2025	4/24/2025	5/27/2025	6/25/2025	7/29/2025	8/28/2025	9/22/2025	10/24/2025	11/24/2025	12/23/2025	1/24/2025	2/27/2025
Volatile Organic Compound																				
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.094 J	0.5 U	0.089 J	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5 U	5 U	2 J	5 U	5 U	2.4 J	1.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.1 J	5 U	5 U	2.8 J
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.13 J	0.13 J	0.11 J	0.15 J	0.13 J	0.13 J	0.14 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.1 J	0.097 J	0.093 J	0.22 J
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.13 J	0.21 J	0.27 J	0.29 J	0.25 J	0.11 J	0.17 J	0.5 U	0.19 J	0.11 J	0.12 J	0.11 J	0.17 J	0.19 J	0.3 J	0.3 J	0.24 J	0.086 J	0.095 J
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.26 J	1.5	1.1	0.91	0.64	0.59	0.8	0.81	0.96	1.3	1.1	1.4	0.28 J	0.3 J
Toluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.099 J	0.5 U	0.11 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.15 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5 U	0.14 J	0.18 J	0.29 J	0.39 J	0.36 J	0.18 J	0.26 J	0.5 U	0.23 J	0.14 J	0.11 J	0.12 J	0.16 J	0.21 J	0.29 J	0.37 J	0.36 J	0.15 J	0.15 J
Vinyl Chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.

U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-4
Surface Water Analytical Data Summary - Volatile Organic Compounds (VOCs) - 2025
Former York Naval Ordnance Plant - York, PA

Location/Identification Sample Date	COD-SW-9 3/27/2025	COD-SW-9 4/24/2025	COD-SW-9 5/27/2025	COD-SW-9 6/25/2025	COD-SW-9 7/29/2025	COD-SW-9 8/28/2025	COD-SW-9 9/22/2025	COD-SW-9 10/24/2025	COD-SW-9 11/24/2025	COD-SW-9 12/23/2025
Parameter										
Volatile Organic Compound										
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	2.4 J	5 U	5 U	2 J	5 U	2.6 J	5 U	5 U	5 U	5 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.21 J	0.16 J	0.15 J	0.19 J	0.18 J	0.13 J	0.5 U	0.14 J	0.13 J	0.16 J
Chloromethane	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.11 J	0.5 U	0.088 J	0.5 U	0.16 J	0.19 J	0.14 J
cis-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.28 J	0.24 J	0.26 J	0.27 J	0.5 U	0.24 J	0.21 J	0.34 J	0.28 J	0.27 J
Toluene	0.24 J	0.12 J	0.5 U	0.1 J	0.5 U	0.085 J	0.085 J	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.15 J	0.11 J	0.09 J	0.14 J	0.085 J	0.1 J	0.094 J	0.18 J	0.22 J	0.18 J
Vinyl Chloride	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (Total)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
Results are reported in micrograms per liter (µg/L)

NS - No sample collected at COD-SW-13 on 1/24/25 because location was covered by ice. No sample collected at COD-SW-6 on 10/24/25 because location was not accessible.
U - Not Detected. Results are shown as the laboratory Reporting Limit (RL) followed by "U".

J - Estimated. Detected concentration between the laboratory RL and the Method Detection Limit (MDL) shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable.

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-26	09/23/19	1U	5.1	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/24/19	1U	4.2	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/21/19	1U	4.7	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/18/19	1U	1.0	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/23/20	1U	4.0	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/24/20	1U	0.55j	1U	1Uj	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/28/20	1U	1.6	1U	1Uj	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/26/20	0.5U	3.1	0.072j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/24/20	0.5U	1.5	0.077j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/28/20	0.19j	3.6	0.091j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/25/20	0.19j	3.9	0.075j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/25/20	0.20j	3.7	0.083j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/29/20	0.5U	0.5U	0.064j	0.5Uj	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/30/20	0.063j	0.5U	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/23/20	0.5U	0.72	0.06j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/26/21	0.13j	2.0	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.42j	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/24/21	0.14j	2.1	0.069j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/26/21	0.18j	4.5	0.067j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/25/21	0.17j	4.0	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/24/21	0.16j	3.2	0.08j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/29/21	0.12j	1.3	0.12j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/26/21	0.17j	3.4	0.10j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/24/21	0.12j	0.74	0.065j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/20/21	0.18j	3.7	0.063j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/23/21	0.20j	4.1	0.093j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/17/21	0.20j	3.4	0.073j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/27/22	0.14j	3.3	0.053j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/22/22	0.15j	2.9	0.065j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/24/22	0.14j	2.3	0.074j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/26/22	0.14j	2.9	0.055j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/25/22	0.093j	1.4	0.061j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/21/22	0.16j	4.2	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/28/22	0.17j	4.2	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/25/22	0.18j	3.8	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/23/22	0.15j	4.0	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/27/22	0.16j	3.1	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/18/22	0.17j	3.8	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/21/22	0.18j	2.9	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/25/23	0.15j	1.1	0.12j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/21/23	0.18j	4.1	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/22/23	0.17j	4.2	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/27/23	0.11j	0.99	0.10j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/23/23	0.18j	0.26j	0.21j	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/21/23	0.18j	3.8	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/27/23	0.16j	3.1	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/24/23	0.16j	3.8	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/25/23	0.12j	1.3	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/18/23	0.19j	3.3	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.17J	3.7	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/20/23	0.5U	0.47J	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/23/24	0.5U	0.55	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/20/24	0.097J	0.89	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/29/24	0.16J	3.5	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/30/24	0.11J	0.63	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/26/24	0.17J	0.48J	0.14J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/25/24	0.16J	3.7	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/20/24	0.11J	2.7	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/23/24	0.13J	3.4	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/18/24	0.17J	4.0	0.098J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/25/24	0.15J	3.9	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/18/24	0.17J	3.8	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/24/25	0.19J	2.2	0.086J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/27/25	0.18J	4.5	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/27/25	0.16J	2.9	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/24/25	0.16J	4.0	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/27/25	0.14J	3.3	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/25/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/29/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/28/25	0.13J	3.0	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/22/25	0.17J	3.3	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/24/25	0.22J	0.25J	0.22J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/25	0.14J	2.7	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/23/25	0.14J	3.4	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-6	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	X	X	X	X
	05/26/20	0.5U	0.5U	0.057J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/24/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/28/20	0.065J	0.5U	0.067J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/25/20	0.063J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/25/20	0.098J	0.5U	0.099J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/29/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/30/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/23/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/26/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/25/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/24/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/26/21	0.5U	0.5U	0.059J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/25/21	0.087J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/24/21	0.5U	0.5U	0.088J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/29/21	0.072J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/26/21	0.12J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/24/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/20/21	0.15J	0.5U	0.095J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/23/21	0.12J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/17/21	0.11J	0.5U	0.093J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/27/22	0.11J	0.5U	0.072J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/22/22	0.064J	0.5U	0.062J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/24/22	0.088J	0.5U	0.070J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/26/22	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/25/22	0.5U	0.5U	0.058J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/21/22	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/28/22	0.081J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/25/22	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/23/22	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/27/22	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/18/22	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/21/22	0.097J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/25/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/21/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/22/23	0.091J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/27/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/23/23	0.12J	0.5U	0.17J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/21/23	0.12J	0.5U	0.17J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/27/23	0.094J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/24/23	0.12J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/25/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/18/23	0.22J	0.5U	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.19J	0.5U	0.17J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/20/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/23/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/20/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/30/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/26/24	0.11J	0.5U	0.099J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/25/24	0.11J	0.5U	0.086J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/20/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/23/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/18/24	0.19J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/25/24	0.18J	0.5U	0.095J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/18/24	0.15J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/24/25	0.18J	0.5U	0.095J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/27/25	0.17J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/27/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/24/25	0.10J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/27/25	0.11J	0.5U	0.083J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/25/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/29/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/28/25	0.12J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/22/25	0.5U	0.5U	0.085J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/24/25	NS	NS	NS	NS	X	X	X	X	X	X	X	X	X	X	X	X
	11/24/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/23/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-7	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	X	X	X	X
	05/26/20	0.098J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/24/20	0.5U	0.5U	0.084J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/28/20	0.081J	0.5U	0.080J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/25/20	0.10J	0.065J	0.097J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/25/20	0.15J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/29/20	0.10J	0.5U	0.078J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/30/20	0.082J	0.5U	0.067J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/23/20	0.5U	0.074J	0.063J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/26/21	0.5U	0.066J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/25/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/24/21	0.096J	0.5U	0.069J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/26/21	0.089J	0.075J	0.065J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/25/21	0.082J	0.085J	0.085J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/24/21	0.094J	0.076J	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/29/21	0.13J	0.085J	0.19J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/26/21	0.19J	0.17J	0.19J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/24/21	0.13J	0.5U	0.071J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/20/21	0.22J	0.10J	0.16J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/23/21	0.15J	0.076J	0.12J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/17/21	0.19J	0.091J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/27/22	0.16J	0.062J	0.094J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/22/22	0.12J	0.061J	0.083J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/24/22	0.13J	0.5U	0.10J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/26/22	0.082J	0.5U	0.073J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/25/22	0.5U	0.5U	0.062J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/21/22	0.085J	0.5U	0.085J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/28/22	0.14J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/25/22	0.16J	0.5U	0.15J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/23/22	0.10J	0.5U	0.087J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/27/22	0.20J	0.5U	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/18/22	0.20J	0.5U	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/21/22	0.14J	0.5U	0.099J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/25/23	0.16J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/21/23	0.21J	0.5U	0.16J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/22/23	0.24J	0.5U	0.19J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/27/23	0.12J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/23/23	0.21J	0.5U	0.25J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/21/23	0.35J	0.5U	0.68	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/27/23	0.16J	0.5U	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/24/23	0.19J	0.5U	0.20J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/25/23	0.093J	0.5U	0.081J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/18/23	0.24J	0.5U	0.21J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.33J	0.5U	0.33J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/20/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/23/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/20/24	0.085J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/29/24	0.13J	0.5U	0.096J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/30/24	0.11J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/26/24	0.19J	0.5U	0.16J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/25/24	0.14J	0.5U	0.10J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/20/24	0.17J	0.5U	0.12J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/23/24	0.18J	0.5U	0.10J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/18/24	0.26J	0.5U	0.19J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/25/24	0.42J	0.5U	0.22J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/18/24	0.37J	0.5U	0.17J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/24/25	0.24J	0.5U	0.12J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/27/25	0.23J	0.5U	0.12J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/27/25	0.19J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/24/25	0.26J	0.5U	0.15J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/27/25	0.13J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/25/25	0.13J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/29/25	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/28/25	0.14J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/22/25	0.18J	0.5U	0.21J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/24/25	0.29J	0.5U	0.27J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/24/25	0.39J	0.5U	0.29J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/23/25	0.36J	0.5U	0.25J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-17	10/9/2019 ⁽²⁾	1.2	3.0	0.99J	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/24/19	1.6	3.1	1.3	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/21/19	1.5	3.8	1.0	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/18/19	1U	2.0	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/23/20	1.2	3.1	0.99 J	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/24/20	2.5	6.6 J	1.8	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/28/20	1U	1.2	1U	1UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/26/20	0.68	1.3	0.52	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/24/20	2.0	3.4	1.8	0.25J	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/28/20	1.4	3.0	1.1	0.11J	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/25/20	2.8	7.1	1.6	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/25/20	1.0	2.3	0.78	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/29/20	0.28J	0.44J	0.14J	0.5UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/30/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/23/20	0.86	2.3	0.65	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/26/21	1.2	3.3	0.81	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.5U	0.051J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/24/21	0.88	2.1	0.57	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/26/21	1.0	2.4	0.80	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/25/21	0.35J	0.54J	0.36J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/24/21	1.1	3.5	0.81	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/29/21	0.2J	0.23J	0.2J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/26/21	3.4	8.4	1.7	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/24/21	2.5	9.0	0.97	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/20/21	11.0	51.0	3.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/23/21	9.4	61.0	4.7	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/17/21	4.2J	31.0	2.4J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/27/22	6.3	80.0	4.7	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/22/22	5.4	84.0	4.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/24/22	5.0	88.0	4.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/26/22	4.8	77.0	3.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/25/22	2.4	28.0	3.4	0.18J	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/21/22	6.1	76.0	4.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/28/22	3.2	34.0	3.8	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/25/22	6.1	78.0	4.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/23/22	4.6	66.0	2.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/27/22	3.7	71.0	3.0	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/18/22	4.3	65.0	3.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/21/22	4.4	69.0	3.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/25/23	3.6	60.0	3.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/21/23	4.3	84.0	3.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/22/23	4.0	49.0	4.7	0.11J	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/27/23	2.3	44.0	2.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/23/23	1.7	35.0	2.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/21/23	2.3	46.0	2.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/27/23	6.7	140	5.7	0.11J	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/24/23	4.7	90.0	2.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/25/23	6.4	89.0	3.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/18/23	6.7	92.0	3.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	4.3	63.0	2.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/20/23	4.0	93.0	2.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/29/24	2.9	42.0	5.0	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/23/24	4.5	130	3.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/20/24	4.6	120	4.8	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/29/24	4.1	100	3.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/30/24	1.8	67.0	1.7	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/26/24	3.1	120	2.0	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/25/24	6.4	140	3.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/20/24	4.2	120	2.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/23/24	0.81	21	0.47J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/18/24	4.5	130	2.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/25/24	7.0	180	3.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/18/24	7.2	200	3.8	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/24/25	3.6	140	2.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/27/25	4.8	160	3.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/27/25	6.0	150	2.8	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/24/25	3.7	140	2.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/27/25	4.4	150	2.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/25/25	3.7	130	2.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/29/25	3.2	130	2.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/28/25	4.5	130	2.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/22/25	3.9	140	2.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/24/25	5.3	170	3.0	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/25	4.6	130	2.8	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/23/25	4.7	150	3.0	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-16	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/26/20	0.16J	0.075J	0.090J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/20	0.078J	0.5U	0.082J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/20	0.078J	0.5U	0.087J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/20	0.13J	0.072J	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/20	0.11J	0.068J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/29/20	0.087J	0.5U	0.5U	0.5UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/30/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/20	0.5U	0.5U	0.068J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/26/21	0.1J	0.5U	0.092J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/21	0.09J	0.5U	0.082J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/21	0.081J	0.065J	0.076J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/21	0.087J	0.062J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/21	0.11J	0.062J	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/26/21	0.19J	0.12J	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/24/21	0.5U	0.15J	0.078J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/20/21	0.35J	0.97	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/23/21	0.24J	0.93	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/17/21	0.18J	0.71	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/27/22	0.20J	0.99	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/22/22	0.14J	0.74	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/22	0.14J	0.88	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/22	0.11J	0.76	0.097J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/22	0.081J	0.52	0.086J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/22	0.14J	0.76	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/22	0.18J	1.6	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/22	0.17J	0.57	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/22	0.14J	1.4	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/27/22	0.22J	1.8	0.22J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/18/22	0.21J	1.5	0.21J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/21/22	0.16J	0.71	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/25/23	0.17J	0.87	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/21/23	0.29J	0.67	0.25J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/22/23	0.26J	0.61	0.25J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/27/23	0.096J	0.83	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/23/23	0.21J	0.68	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/23	0.32J	1.2	0.48J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/27/23	0.17J	1.4	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/24/23	0.18J	1.1	0.21J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/23	0.084J	0.25J	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/23	0.21J	2.4	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.32J	2.0	0.31J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/20/23	0.091J	0.44J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/29/24	0.5U	0.34J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/23/24	0.5U	0.65	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/20/24	0.11J	1.6	0.095J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/29/24	0.14J	1.5	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/30/24	0.13J	1.4	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/26/24	0.21J	2.2	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/25/24	0.27J	2.1	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/20/24	0.23J	2.4	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/24	0.19J	1.8	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/24	0.31J	2.1	0.25J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/25/24	0.37J	2.7	0.22J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/24	0.35J	1.1	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/24/25	0.19J	0.71	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/27/25	0.22J	0.64	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/27/25	0.25J	1.6	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/24/25	0.21J	0.56	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/27/25	0.14J	0.65	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/25/25	0.14J	2.4	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/25	0.14J	2.3	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/28/25	0.18J	2.1	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/22/25	0.22J	3.1	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/25	0.34J	3.8	0.36J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/24/25	0.42J	2.6	0.34J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/25	0.36J	2.7	0.25J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-27	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/26/20	0.5U	0.079J	0.079J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/20	0.097J	0.12J	0.087J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/20	0.5U	0.5U	0.069J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/20	0.089J	0.5U	0.090J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/20	0.11J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/29/20	0.094J	0.061J	0.068J	0.5UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/30/20	0.072J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/20	0.5U	0.068J	0.062J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/26/21	0.15J	0.13J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.063J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/21	0.096J	0.5U	0.079J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/21	0.072J	0.064J	0.066J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/21	0.084J	0.079J	0.094J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/21	0.5U	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/21	0.24J	0.29J	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/26/21	0.17J	0.14J	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/24/21	0.5U	0.5U	0.07J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/20/21	0.18J	0.094J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/23/21	0.15J	0.098J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/17/21	0.17J	0.074J	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/27/22	0.14J	0.070J	0.082J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/22/22	0.12J	0.090J	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/22	0.14J	0.082J	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/22	0.089J	0.5U	0.072J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/22	0.080J	0.082J	0.081J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/22	0.10J	0.5U	0.090J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/22	0.14J	0.5U	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/22	0.13J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/22	0.084J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/27/22	0.24J	0.56	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/18/22	0.20J	0.20J	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/21/22	0.14J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/25/23	0.15J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/21/23	0.25J	0.5U	0.21J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/22/23	0.27J	0.32J	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/27/23	0.10J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/23/23	0.18J	0.5U	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/23	0.35J	0.58	0.39J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/27/23	0.14J	0.5U	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/24/23	0.15J	0.26J	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/23	0.19J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.22J	0.20J	0.21J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/20/23	0.12J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/23/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/20/24	0.096J	0.5U	0.082J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/29/24	0.12J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/30/24	0.11J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/26/24	0.17J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/25/24	0.15J	0.5U	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/20/24	0.13J	0.5U	0.096J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/24	0.15J	0.20J	0.094J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/24	0.18J	0.23J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/25/24	0.26J	0.23J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/24	0.27J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/24/25	0.27J	0.72	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/27/25	0.20J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/27/25	0.16J	0.5U	0.097J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/24/25	0.17J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/27/25	0.22J	0.61	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/25/25	0.11J	0.5U	0.091J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/25	0.093J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/28/25	0.16J	0.5U	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/22/25	0.16J	0.39J	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/25	0.23J	0.5U	0.25J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/24/25	0.30J	0.46J	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/25	0.21J	0.5U	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-15	09/23/19	0.96J	2.9	0.79J	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/24/19	1.3	2.6	0.97J	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/21/19	0.99J	2.7	0.86J	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/18/19	0.86J	3.0	0.83J	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/23/20	0.86J	2.4	0.87J	1UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/24/20	1.4	3.1	1.4	1U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/25/20	1U	2.2	1U	1UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/28/20	1.5	2.8	1.2	1UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/26/20	1.0	3.1	0.83	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/24/20	0.89	2.5	0.77	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/28/20	0.89	2.5	0.75	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/25/20	1.1	3.0	0.85	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/25/20	0.86	2.2	0.70	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/29/20	0.79	2.0	0.66	0.5UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/30/20	0.29J	0.64	0.23J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/23/20	0.97	2.8	0.84	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/26/21	0.78	2.1	0.66	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/25/21	0.53	1.5	0.43J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/24/21	0.98	2.9	0.78	0.5UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/26/21	0.86	2.4	0.69	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/25/21	0.75	2.2	0.63	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/24/21	0.80	2.2	0.66	0.5UJ	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/29/21	0.83	2.2	0.67	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/26/21	1.1	3.3J	0.89	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/24/21	0.95	2.9	0.85	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/20/21	1.0	3.6	0.88	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/23/21	1.1	4.8	0.93	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/17/21	1.0	4.7	0.86	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/27/22	1.4	6.1	1.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/22/22	1.7	6.4	1.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/24/22	1.7	6.5	1.7	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/26/22	1.7	6.0	1.8	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/25/22	1.9	6.5	2.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/21/22	1.6	5.7	1.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/28/22	1.4	5.0	1.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/25/22	1.4	4.8	1.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/23/22	1.2	5.5	1.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/27/22	1.6	5.5	2.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/18/22	1.8	5.8	2.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/21/22	1.9	6.4	2.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/25/23	1.8	5.5	2.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/21/23	2.1	7.0	2.3J	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/22/23	1.3	6.3	1.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/27/23	1.1	4.6	1.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/23/23	0.94	4.3	0.94	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/21/23	1.1	3.9	1.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/27/23	1.7	6.0	1.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/24/23	0.97	4.2	0.76	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/25/23	1.3	6.0	1.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/18/23	1.6	5.1	2.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	1.1	4.1	1.0	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/20/23	1.1	6.2	0.57	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/29/24	0.58	1.9	0.61	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/23/24	1.6	6.5	1.6	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/20/24	1.5	7.4	1.3	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/29/24	1.1	5.3	0.97	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/30/24	0.87	4.4	0.66	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/26/24	0.97	4.5	0.76	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/25/24	1.4	6.2	1.5	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/20/24	0.95	4.6	0.90	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/23/24	0.87	3.9	0.64	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/18/24	0.85	4.1J	0.76	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/25/24	1.2	5.6	1.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/18/24	1.6	6.8	2.0	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	01/24/25	1.0	4.0	0.68	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	02/27/25	1.4	5.5	1.1	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	03/27/25	1.7	5.1	1.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	04/24/25	1.2	4.9	0.75	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	05/27/25	1.4	5.7	0.90	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	06/25/25	1.6	5.8	1.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	07/29/25	1.3	4.1	1.2	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	08/28/25	1.1	3.9	0.93	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	09/22/25	1.2	3.9	0.96	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	10/24/25	1.7	5.2	1.70	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	11/24/25	1.4	4.8	1.4	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	12/23/25	1.6	5.0	1.9	0.5U	X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-13	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/26/20	0.5U	0.5U	0.08J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/20	0.074J	0.5U	0.083J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/20	0.073J	0.5U	0.086J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/20	0.13J	0.064J	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/20	0.13J	0.5U	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/29/20	0.5U	0.074J	0.051J	0.5UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/30/20	0.5U	0.5U	0.056J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/20	0.069J	0.5U	0.078J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/26/21	0.5U	0.064J	0.092J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.5U	0.051J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/21	0.097J	0.06J	0.085J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/21	0.071J	0.5U	0.075J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/21	0.092J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/21	0.10J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/21	0.12J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/26/21	0.22J	0.14J	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/24/21	0.16J	0.15J	0.088J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/20/21	0.33J	0.67	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/23/21	0.20J	0.56	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/17/21	0.19J	0.65	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/27/22	0.20J	0.67	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/22/22	0.13J	0.50	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/22	0.13J	0.42J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/22	0.10J	0.46J	0.087J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/22	0.086J	0.54	0.087J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/22	0.15J	0.76	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/22	0.14J	0.95	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/22	0.17J	0.56	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/22	0.13J	0.92	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/27/22	0.23J	1.2	0.21J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/18/22	0.19J	0.98	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/21/22	0.15J	0.47J	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/25/23	0.16J	0.55	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/21/23	0.26J	0.66	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/22/23	0.29J	0.71	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/27/23	0.5U	0.68	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/23/23	0.19J	1.1	0.22J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/23	0.28J	0.86	0.47J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/27/23	0.18J	1.2	0.22J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/24/23	0.18J	0.92	0.21J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/23	0.092J	0.64	0.089J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/23	0.29J	1.8	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.33j	1.5	0.31j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/20/23	0.10j	0.49j	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/29/24	0.5U	0.24j	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/23/24	0.087j	0.68	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/20/24	0.099j	0.84	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/29/24	0.15j	1.2	0.11j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/30/24	0.15j	1.4	0.11j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/26/24	0.20j	1.8	0.21j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/25/24	0.25j	1.9	0.20j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/20/24	0.21j	1.4	0.16j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/24	0.18j	1.1	0.11j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/24	0.32j	1.7	0.24j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/25/24	0.39j	2.2	0.28j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/24	0.33j	1.7	0.16j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/24/25 ⁽³⁾	NS	NS	NS	NS	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/24/25	0.25j	1.9	0.19j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/27/25	0.25j	1.7	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/24/25	0.24j	1.7	0.22j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/27/25	0.14j	0.85	0.11j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/25/25	0.12j	0.44j	0.12j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/25	0.13j	1.1	0.12j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/28/25	0.16j	1.2	0.17j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/22/25	0.23j	2.3	0.25j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/25	0.29j	2.5	0.31j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/24/25	0.42j	2.7	0.36j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/25	0.36j	2.0	0.26j	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-28	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/26/20	0.098J	0.13J	0.085J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/20	0.5U	0.87J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/20	0.5U	0.080J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/20	0.097J	0.11J	0.098J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/20	0.5U	0.078J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/29/20	0.5U	0.088J	0.5U	0.5UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/30/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/20	0.5U	0.14J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/26/21	0.091J	0.08J	0.059J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.11J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/21	0.5U	0.068J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/21	0.07J	0.11J	0.059J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/21	0.5U	0.087J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/21	0.5U	0.096J	0.073J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/21	0.10J	0.10J	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/26/21	0.5U	0.081J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/24/21	0.5U	0.09J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/20/21	0.14J	0.22J	0.099J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/23/21	0.13J	0.19J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/17/21	0.14J	0.16J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/27/22	0.16J	0.24J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/22/22	0.13J	0.23J	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/22	0.13J	0.20J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/22	0.11J	0.20J	0.098J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/22	0.088J	0.20J	0.089J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/22	0.11J	0.24J	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/22	0.15J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/22	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/22	0.084J	0.24J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/27/22	0.17J	0.26J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/18/22	0.17J	0.22J	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/21/22	0.15J	0.24J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/25/23	0.14J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/21/23	0.20J	0.21J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/22/23	0.21J	0.24J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/27/23	0.11J	0.21J	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/23/23	0.16J	0.5U	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/23	0.22J	0.5U	0.28J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/27/23	0.14J	0.22J	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/24/23	0.5U	0.24J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/23	0.095J	0.5U	0.099J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/23	0.16J	0.39J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.17J	0.27J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/20/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/23/24	0.083J	0.23J	0.081J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/20/24	0.095J	0.29J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/29/24	0.12J	0.33J	0.094J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/30/24	0.10J	0.23J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/26/24	0.16J	0.38J	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/25/24	0.12J	0.33J	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/20/24	0.091J	0.5U	0.099J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/24	0.084J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/24	0.17J	0.30J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/25/24	0.22J	0.26J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/24	0.23J	0.32J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/24/25	0.14J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/27/25	0.14J	0.30J	0.089J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/27/25	0.13J	0.22J	0.086J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/24/25	0.16J	0.27J	0.091J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/27/25	0.11J	0.26J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/25/25	0.11J	0.22J	0.090J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/25	0.097J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/28/25	0.15J	0.23	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/22/25	0.11J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/25	0.19J	0.30J	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/24/25	0.18J	0.24J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/25	0.24J	0.26J	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-8	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/26/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/20	0.075J	0.5U	0.077J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/20	0.068J	0.5U	0.076J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/20	0.12J	0.064J	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/20	0.11J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/29/20	0.5U	0.5U	0.086J	0.5UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/30/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/26/21	0.12J	0.062J	0.092J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/21	0.097J	0.5U	0.088J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/21	0.075J	0.5U	0.069J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/21	0.095J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/21	0.5U	0.5U	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/21	0.099J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/26/21	0.20J	0.099J	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/24/21	0.5U	0.11J	0.068J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/20/21	0.30J	0.58	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/23/21	0.22J	0.49J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/17/21	0.19J	0.50	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/27/22	0.18J	0.52	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/22/22	0.13J	0.43J	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/22	0.12J	0.41J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/22	0.099J	0.35J	0.094J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/22	0.093J	0.39J	0.088J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/22	0.12J	0.34J	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/22	0.13J	0.32J	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/22	0.14J	0.33J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/22	0.12J	0.51	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/27/22	0.20J	0.70	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/18/22	0.18J	0.66	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/21/22	0.15J	0.39J	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/25/23	0.16J	0.46J	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/21/23	0.28J	0.52	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/22/23	0.29J	0.66	0.26J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/27/23	0.08J	0.32J	0.089J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/23/23	0.20J	0.40J	0.22J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/23	0.28J	0.55	0.51	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/27/23	0.16J	0.53	0.20J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/24/23	0.17J	0.67	0.21J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/23	0.018J	0.45J	0.082J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/23	0.26J	0.96	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.33J	1.0	0.32J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/20/23	0.087J	0.33J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/29/24	0.5U	0.20J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/23/24	0.090J	0.44J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/20/24	0.10J	0.73	0.87J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/29/24	0.12J	0.51	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/30/24	0.13J	0.77	0.099J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/26/24	0.20J	0.94	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/25/24	0.22J	0.94	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/20/24	0.23J	1.2	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/24	0.15J	0.68	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/24	0.32J	1.6	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/25/24	0.41J	1.7	0.23J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/24	0.32J	1.4	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/24/25	0.18J	0.26J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/27/25	0.26J	1.5	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/27/25	0.5U	1.1	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/24/25	0.23J	0.91	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/27/25	0.14J	0.64	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/25/25	0.11J	0.59	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/25	0.12J	0.80	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/28/25	0.16J	0.81	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/22/25	0.21J	0.96	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/25	0.29J	1.3	0.30J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/24/25	0.37J	1.1	0.30J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/25	0.36J	1.4	0.24J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-9	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/26/20	0.073J	0.094J	0.059J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/20	0.5U	0.088J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/20	0.5U	0.076J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/20	0.074J	0.076J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/20	0.5U	0.084J	0.061J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/29/20	0.5U	0.088J	0.5U	0.5UJ	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/30/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/20	0.5U	0.11J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/26/21	0.5U	0.082J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/25/21	0.5U	0.076J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/21	0.5U	0.078J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/21	0.063J	0.09J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/21	0.5U	0.073J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/24/21	0.5U	0.085J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/21	0.5U	0.081J	0.078J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/26/21	0.072J	0.094J	0.072J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/24/21	0.11J	0.09J	0.08J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/20/21	0.11J	0.18J	0.079J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/23/21	0.13J	0.19J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/17/21	0.13J	0.23J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/27/22	0.13J	0.20J	0.093J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/22/22	0.11J	0.21J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/24/22	0.12J	0.22J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/26/22	0.11J	0.23J	0.10J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/25/22	0.096J	0.21J	0.091J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/22	0.093J	0.21J	0.085J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/28/22	0.11J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/25/22	0.10J	0.5U	0.084J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/22	0.086J	0.21J	0.083J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/27/22	0.5U	0.28J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/18/22	0.14J	0.23J	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/21/22	0.13J	0.5U	0.12J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/25/23	0.13J	0.5U	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/21/23	0.19J	0.22J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/22/23	0.19J	0.30J	0.18J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/27/23	0.10J	0.20J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/23/23	0.14J	0.5U	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/21/23	0.15J	0.5U	0.35J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/27/23	0.14J	0.28J	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/24/23	0.13J	0.27J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/25/23	0.094J	0.5U	0.092J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/23	0.17J	0.30J	0.15J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.20J	0.28J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/20/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/23/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/20/24	0.093J	0.27J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/29/24	0.5U	0.32J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/30/24	0.084J	0.21J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/26/24	0.11J	0.25J	0.091J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/25/24	0.090J	0.30J	0.082J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/20/24	0.084J	0.26J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/23/24	0.5U	0.21J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/18/24	0.17J	0.28J	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/25/24	0.24J	0.25J	0.17J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/18/24	0.20J	0.31J	0.13J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	01/24/25	0.15J	0.28J	0.086J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	02/27/25	0.15J	0.30J	0.095J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	03/27/25	0.15J	0.28J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	04/24/25	0.11J	0.24J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	05/27/25	0.090J	0.26J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	06/25/25	0.14J	0.27J	0.11J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	07/29/25	0.085J	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	08/28/25	0.10J	0.085J	0.088J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	09/22/25	0.094J	0.21J	0.5U	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	10/24/25	0.18J	0.34J	0.16J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	11/24/25	0.22J	0.28J	0.19J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A
	12/23/25	0.18J	0.27J	0.14J	0.5U	X	X	X	X	X	X	X	X	N/A	N/A	N/A	N/A

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
COD-SW-29	09/23/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	10/24/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	11/21/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	12/18/19	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	01/23/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	02/24/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	03/25/20	1U	1U	1U	1U	X	X	X	X	X	X	X	X	X	X	X	X
	04/28/20	1U	1U	1U	1UJ	X	X	X	X	X	X	X	X	X	X	X	X
	05/26/20	0.5U	0.5U	0.067J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/24/20	0.065J	0.5U	0.076J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/28/20	0.5U	0.5U	0.080J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/25/20	0.12J	0.074J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/25/20	0.11J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/29/20	0.092J	0.065J	0.10J	0.5UJ	X	X	X	X	X	X	X	X	X	X	X	X
	11/30/20	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/23/20	0.075J	0.5U	0.076J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/26/21	0.5U	0.061J	0.084J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/25/21	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/24/21	0.10J	0.5U	0.083J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/26/21	0.075J	0.5U	0.076J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/25/21	0.10J	0.5U	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/24/21	0.11J	0.5U	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/29/21	0.11J	0.064J	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/26/21	0.2J	0.12J	0.21J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/24/21	0.5U	0.08J	0.057J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/20/21	0.29J	0.43J	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/23/21	0.19J	0.33J	0.15J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/17/21	0.20J	0.32J	0.16J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/27/22	0.19J	0.39J	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/22/22	0.14J	0.27J	0.12J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/24/22	0.12J	0.25J	0.10J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/26/22	0.11J	0.28J	0.089J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/25/22	0.082J	0.26J	0.072J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/21/22	0.12J	0.36J	0.12J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/28/22	0.10J	0.33J	0.13J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/25/22	0.15J	0.41J	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/23/22	0.13J	0.44J	0.12J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/27/22	0.19J	0.49J	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/18/22	0.17J	0.48J	0.17J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/21/22	0.14J	0.28J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/25/23	0.15J	0.27J	0.15J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/21/23	0.31J	0.33J	0.27J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/22/23	0.26J	0.41J	0.23J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/27/23	0.5U	0.20J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/23/23	0.20J	0.37J	0.22J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/21/23	0.24J	0.33J	0.29J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/27/23	0.15J	0.39J	0.19J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/24/23	0.17J	0.65	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/25/23	0.5U	0.20J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/18/23	0.21J	0.66	0.20J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
	11/21/23	0.30J	0.66	0.28J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/20/23	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/29/24	0.5U	0.5U	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/23/24	0.5U	0.29J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/20/24	0.086J	0.36J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/29/24	0.14J	0.47J	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/30/24	0.12J	0.44J	0.087J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/26/24	0.17J	0.47J	0.16J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/25/24	0.20J	0.57	0.16J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/20/24	0.21J	0.55	0.15J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/23/24	0.13J	0.36J	0.086J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/18/24	0.27J	0.71	0.20J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/25/24	0.33J	0.92	0.20J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/18/24	0.27J	0.81	0.15J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	01/24/25	0.23J	0.62	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	02/27/25	0.21J	0.75	0.15J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	03/27/25	0.22J	0.74	0.14J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	04/24/25	0.22J	0.57	0.16J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	05/27/25	0.14J	0.52	0.092J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	06/25/25	0.11J	0.36J	0.11J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	07/29/25	0.096J	0.42J	0.5U	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	08/28/25	0.16J	0.68	0.18J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	09/22/25	0.14J	0.58	0.19J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	10/24/25	0.28J	0.83	0.28J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	11/24/25	0.38J	0.86	0.32J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X
	12/23/25	0.36J	0.98	0.25J	0.5U	X	X	X	X	X	X	X	X	X	X	X	X

TABLE 3.0-5
Monthly Surface Water Sampling Results - 2025
Former York Naval Ordnance Plant - York, PA

Sample Location	Sample Date	Constituent of Concern Result in Micrograms Per Liter (µg/L) ⁽¹⁾				PADEP Surface Water Quality Criteria in Micrograms Per Liter (µg/L)											
						Fish and Aquatic Life								Human Health			
		TCE	PCE	cis12DCE	VC	AFC	AFC	AFC	AFC	CFC	CFC	CFC	CFC	CRL	CRL	H	CRL
						TCE=2,300	PCE=700	cis12DCE=NE	VC=NE	TCE=450	PCE=140	cis12DCE=NE	VC=NE	TCE=0.60	PCE=10	cis12DCE=12	VC=0.02
		cis12DCE - cis-1,2-Dichloroethene															
		PCE - Tetrachloroethene															
		TCE - Trichloroethene															
		VC - Vinyl Chloride															
		(1) Non-detect results are shown as the laboratory Reporting Limit (RL) followed by "U". Detected concentrations between the laboratory RL and the Method Detection Limit (MDL) are shown as the approximate concentration reported by the laboratory followed by "J". These "J" concentrations were positively identified in the sample and are qualitatively acceptable. The PADEP surface water quality criteria of 0.02 µg/L for VC is lower than can be reliably achieved using Pennsylvania-certified analytical methods. However, the analytical method quantitation limit (QL) and RL for VC is acceptable for criteria comparison.															
		(2) - Sample from location COD-SW-17 was collected on 10/09/19 because it was dry (no flow from spring) on 09/23/19.															
		(3) - Sample from location COD-SW-13 was not collected on 1/24/25 because Creek was covered by ice.															
		Bold font indicates analyte detected in sample															
		Surface water quality criteria from 25 Pa. Code Chapter 93 - Water Quality Standards (Table 5 - Water Quality Criteria for Toxic Substances). Criteria are reviewed periodically and are subject to change.															
		AFC - Acute Fish Criteria or Criteria Maximum Concentration															
		CFC - Chronic Fish Criteria or Criteria Continuous Concentration															
		CRL - Cancer Risk Level at 1x10 ⁻⁶															
		H - Threshold human health criteria															
		NE - Criterion not established															
		N/A - Criterion does not apply to samples from this location															
		X - Criterion applies to samples collected from this location															
			Blue colored highlight indicates sample result is less than criterion														
			Tan colored highlight indicates sample collected during WPL groundwater extraction system shutdown														

TABLE 4.0-1
2025 Groundwater Monitored Natural Attenuation Analysis - Trichloroethene
Former Naval Ordnance Plant - York, PA

Trichloroethene (TCE)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	13 / 13	5	32	Yes	Down	--	Achieved	--	--
	MW-9	2013 - 2025	12 / 13	5	44	Yes	Down	--	Achieved	--	--
	MW-12	2013 - 2025	13 / 13	5	130	No	Down	--	2033	--	--
	MW-16S	2013 - 2025	13 / 13	5	20	No	None	None	NA	16.1	No
	MW-18S	2013 - 2025	13 / 13	5	45	Yes	Down	--	Achieved	--	--
	MW-18D	2013 - 2025	13 / 13	5	42	Yes	Down	--	Achieved	--	--
	MW-20S	2013 - 2025	13 / 13	5	130	No	Down	--	Achieved	--	--
	MW-20M	2013 - 2025	13 / 13	5	32	Yes	None	None	NA	20.2	No
	MW-143S	2013 - 2025	8 / 13	5	3.0	Yes	Down	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	13 / 13	5	56	No	Down	--	2032	--	--
	CW-2	2013 - 2025	13 / 13	5	15	Yes	Down	--	Achieved	--	--
	MW-2	2019 - 2025	5 / 7	5	1.1	Yes	None	None	NA	0.850	Yes
South-Central Site Area (SCSA)	MW-14	2019 - 2025	5 / 7	5	0.60	Yes	None	Down	Achieved	--	--
	MW-65S	2019 - 2025	6 / 7	5	17	Yes	Down	--	Achieved	--	--
	MW-67S	2019 - 2025	7 / 7	5	2.2	Yes	Down	--	Achieved	--	--
	MW-67D	2019 - 2025	7 / 7	5	1.2	Yes	Down	--	Achieved	--	--
	MW-69	2019 - 2025	7 / 7	5	9.4	Yes	Down	--	Achieved	--	--
	MW-79	2019 - 2025	4 / 7	5	0.42	Yes	Down	--	Achieved	--	--
	MW-88	2019 - 2025	16 / 18	5	2.4	Yes	None	Down	Achieved	--	--
	MW-111	2019 - 2025	5 / 7	5	1.2	Yes	None	None	NA	1.07	Yes
Southern Property Boundary Area (SPBA)	MW-112	2019 - 2025	7 / 7	5	1.1	Yes	Up	--	2086	--	--
	MW-115	2019 - 2025	4 / 7	5	0.94	Yes	None	Down	Achieved	--	--
	MW-22	2019 - 2025	7 / 7	5	4.4	Yes	Down	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	1 / 7	5	0.29	Yes	--	--	Achieved	--	--
	MW-165	2019 - 2025	7 / 7	5	3.3	Yes	Down	--	Achieved	--	--
	MW-166	2019 - 2025	33 / 35	5	4.9	Yes	Down	--	Achieved	--	--
South Plume Area (SPA)	MW-167	2019 - 2025	30 / 35	5	6.9	Yes	Down	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	5	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	7 / 7	5	5.1	Yes	Down	--	Achieved	--	--
	Cole D	2019 - 2025	6 / 7	5	0.90	Yes	Down	--	Achieved	--	--
	Cole Steel (MW-12)	2019 - 2025	7 / 7	5	16	No	None	Down	2040	--	--
	GM-1D	2019 - 2025	1 / 7	5	0.39	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	MW-110	2019 - 2025	7 / 7	5	0.71	Yes	Down	--	Achieved	--	--
	MW-150	2019 - 2025	7 / 7	5	46	No	Down	--	2032	--	--
	MW-101S	2021 - 2025	16 / 18	5	0.76	Yes	None	None	NA	0.570	Yes
West Side of Codorus Creek	MW-101D	2021 - 2025	18 / 18	5	6.5	Yes	Down	--	Achieved	--	--
	MW-148A (72.5-73)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (136-136.5)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-5	2021 - 2025	7 / 18	5	0.47	Yes	None	Down	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	7 / 7	5	1.9	Yes	Down	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 6	5	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- Analysis not performed

Achieved - The Theil-Sen trend line intersects the MCL within the sample collection period

2035 - The year when the downward Theil-Sen trend line is projected to reach the MCL

2094 - The year when the upward Theil-Sen trend line is projected to reach the MCL

Yes - Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future

No - Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-2
2025 Groundwater Monitored Natural Attenuation Analysis - Tetrachloroethene
Former Naval Ordnance Plant - York, PA

Tetrachloroethene (PCE)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	6 / 13	5	0.54	Yes	Down	--	Achieved	--	--
	MW-9	2013 - 2025	1 / 13	5	0.22	Yes	--	--	Achieved	--	--
	MW-12	2013 - 2025	13 / 13	5	6.4	Yes	Down	--	Achieved	--	--
	MW-16S	2013 - 2025	10 / 13	5	450	Yes	Down	--	Achieved	--	--
	MW-18S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-18D	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-20S	2013 - 2025	13 / 13	5	17	Yes	Down	--	Achieved	--	--
	MW-20M	2013 - 2025	9 / 13	5	0.74	Yes	None	Up	2164	--	--
	MW-143S	2013 - 2025	12 / 13	5	1.1	Yes	None	None	NA	0.829	Yes
	MW-143D	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	13 / 13	5	2.8	Yes	None	Down	Achieved	--	--
	CW-2	2013 - 2025	13 / 13	5	3.2	Yes	Down	--	Achieved	--	--
	MW-2	2019 - 2025	7 / 7	5	110	No	None	None	NA	95.8	No
South-Central Site Area (SCSA)	MW-14	2019 - 2025	7 / 7	5	7.6	No	None	None	NA	5.49	No
	MW-65S	2019 - 2025	7 / 7	5	2.4	Yes	None	Down	Achieved	--	--
	MW-67S	2019 - 2025	7 / 7	5	2.5	Yes	None	None	NA	2.09	Yes
	MW-67D	2019 - 2025	3 / 7	5	0.33	Yes	--	--	NA	0.316	Yes
	MW-69	2019 - 2025	3 / 7	5	0.38	Yes	--	--	NA	0.347	Yes
	MW-79	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-88	2019 - 2025	18 / 18	5	22	No	Up	--	2023	--	--
	MW-111	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-112	2019 - 2025	4 / 7	5	1.2	Yes	Up	--	2051	-	--
	MW-115	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-22	2019 - 2025	7 / 7	5	9.3	No	None	None	NA	7.69	No
	MW-108S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	3 / 7	5	0.48	Yes	--	--	NA	0.388	Yes
	MW-165	2019 - 2025	7 / 7	5	3.6	Yes	Down	--	Achieved	--	--
	MW-166	2019 - 2025	35 / 35	5	70	Yes	None	Down	Achieved	--	--
South Plume Area (SPA)	MW-167	2019 - 2025	35 / 35	5	14	Yes	Down	--	Achieved	--	--
	MW-168	2019 - 2025	7 / 34	5	1.1	Yes	Down	--	Achieved	--	--
	MW-43D	2019 - 2025	7 / 7	5	6.3	Yes	Down	--	Achieved	--	--
	Cole D	2019 - 2025	7 / 7	5	26	No	None	Down	2030	--	--
	Cole Steel (MW-12)	2019 - 2025	6 / 7	5	0.9	Yes	None	None	NA	0.851	Yes
	GM-1D	2019 - 2025	7 / 7	5	8.8	Yes	None	Down	Achieved	--	--
Codorus Creek Levee Area	MW-110	2019 - 2025	7 / 7	5	23	No	Down	--	2036	--	--
	MW-150	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-101S	2021 - 2025	18 / 18	5	4.2	Yes	None	Up	2030	--	--
West Side of Codorus Creek	MW-101D	2021 - 2025	18 / 18	5	5.6	Yes	None	Down	Achieved	--	--
	MW-148A (72.5-73)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (136-136.5)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-5	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	7 / 7	5	1.8	Yes	None	None	NA	1.55	Yes
	MW-186	2021 - 2025	0 / 6	5	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved - The Theil-Sen trend line intersects the MCL within the sample collection period

2032 - The year when the downward Theil-Sen trend line is projected to reach the MCL

2030 - The year when the upward Theil-Sen trend line is projected to reach the MCL

Yes - Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future

No - Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-3
2025 Groundwater Monitored Natural Attenuation Analysis - cis-1,2-Dichloroethene
Former Naval Ordnance Plant - York, PA

cis-1,2-Dichloroethene (cis12DCE)											
Location at FYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	12 / 13	70	0.82	Yes	Down	--	Achieved	--	--
	MW-9	2013 - 2025	13 / 13	70	36	Yes	Down	--	Achieved	--	--
	MW-12	2013 - 2025	13 / 13	70	75	No	Up	--	2024	--	--
	MW-16S	2013 - 2025	13 / 13	70	42	Yes	Down	--	Achieved	--	--
	MW-18S	2013 - 2025	13 / 13	70	71	Yes	None	Down	Achieved	--	--
	MW-18D	2013 - 2025	13 / 13	70	66	Yes	Down	--	Achieved	--	--
	MW-20S	2013 - 2025	8 / 13	70	2.2	Yes	Down	--	Achieved	--	--
	MW-20M	2013 - 2025	3 / 13	70	0.81	Yes	--	--	NA	0.408	Yes
	MW-143S	2013 - 2025	0 / 13	70	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	13 / 13	70	3.7	Yes	Up	--	2251	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	4 / 13	70	0.73	Yes	None	Down	Achieved	--	--
	CW-2	2013 - 2025	10 / 13	70	6.1	Yes	None	None	NA	3.21	Yes
	MW-2	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	1 / 7	70	0.24	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	5 / 7	70	0.51	Yes	None	Down	Achieved	--	--
	MW-67D	2019 - 2025	5 / 7	70	0.35	Yes	None	None	NA	0.346	Yes
	MW-69	2019 - 2025	7 / 7	70	8.0	Yes	Down	--	Achieved	--	--
	MW-79	2019 - 2025	7 / 7	70	6.2	Yes	Down	--	Achieved	--	--
	MW-88	2019 - 2025	13 / 18	70	1.8	Yes	None	None	NA	0.865	Yes
	MW-111	2019 - 2025	6 / 7	70	8.6	Yes	None	None	NA	7.42	Yes
Southern Property Boundary Area (SPBA)	MW-112	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	7 / 7	70	150	No	Down	--	Achieved	--	--
	MW-22	2019 - 2025	1 / 7	70	0.20	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	MW-165	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	MW-166	2019 - 2025	1 / 35	70	0.80	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-167	2019 - 2025	0 / 35	70	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	70	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	7 / 7	70	7.2	Yes	Down	--	Achieved	--	--
	Cole D	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	Cole Steel (MW-12)	2019 - 2025	7 / 7	70	18	Yes	None	None	NA	16.7	Yes
	GM-1D	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	MW-110	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	MW-150	2019 - 2025	7 / 7	70	44	Yes	Down	--	Achieved	--	--
	MW-101S	2021 - 2025	14 / 18	70	0.70	Yes	None	None	NA	0.440	Yes
West Side of Codorus Creek	MW-101D	2021 - 2025	18 / 18	70	13	Yes	Down	--	Achieved	--	--
	MW-148A (72.5-73)	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (136-136.5)	2019 - 2025	0 / 7	70	NA	Yes	--	--	Achieved	--	--
	MW-5	2021 - 2025	18 / 18	70	6.0	Yes	Down	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	70	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	7 / 7	70	2.4	Yes	Down	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 6	70	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved - The Theil-Sen trend line intersects the MCL within the sample collection period

2024 - The year when the downward Theil-Sen trend line is projected to reach the MCL

2244 - The year when the upward Theil-Sen trend line is projected to reach the MCL

Yes - Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future

No - Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-4
2025 Groundwater Monitored Natural Attenuation Analysis - Vinyl Chloride
Former Naval Ordnance Plant - York, PA

Vinyl Chloride (VC)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	MW-9	2013 - 2025	10 / 13	2	5.6	Yes	Down	--	Achieved	--	--
	MW-12	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	MW-16S	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	MW-18S	2013 - 2025	5 / 13	2	1.7	Yes	Down	--	Achieved	--	--
	MW-18D	2013 - 2025	6 / 13	2	1.6	Yes	Down	--	Achieved	--	--
	MW-20S	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	MW-20M	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	MW-143S	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	CW-2	2013 - 2025	0 / 13	2	NA	Yes	--	--	Achieved	--	--
	MW-2	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-67D	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-69	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-79	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-88	2019 - 2025	0 / 18	2	NA	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-111	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-112	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	7 / 7	2	95	No	None	None	NA	89.9	No
	MW-22	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-165	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-166	2019 - 2025	0 / 35	2	NA	Yes	--	--	Achieved	--	--
	MW-167	2019 - 2025	0 / 35	2	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	2	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	Cole D	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	Cole Steel (MW-12)	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	GM-1D	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-110	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-150	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
West Side of Codorus Creek	MW-101S	2021 - 2025	0 / 18	2	NA	Yes	--	--	Achieved	--	--
	MW-101D	2021 - 2025	0 / 18	2	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (72.5-73)	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-148A (136-136.5)	2019 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-5	2021 - 2025	1 / 18	2	0.10	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	2	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	0 / 7	2	NA	Yes	--	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 6	2	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved - The Theil-Sen trend line intersects the MCL within the sample collection period

2035 - The year when the downward Theil-Sen trend line is projected to reach the MCL

2094 - The year when the upward Theil-Sen trend line is projected to reach the MCL

Yes - Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future

No = Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-5
2025 Groundwater Monitored Natural Attenuation Analysis - 1,1-Dichloroethane
Former Naval Ordnance Plant - York, PA

1,1-Dichloroethane (11DCA)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	RSL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < RSL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches RSL	UCL95 (µg/l)	UCL95 < RSL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-9	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-12	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-16S	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-18S	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-18D	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-20S	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-20M	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-143S	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	CW-2	2013 - 2025	0 / 13	2.8	NA	Yes	--	--	Achieved	--	--
	MW-2	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-67D	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-69	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-79	2019 - 2025	7 / 7	2.8	2.9	Yes	Down	--	Achieved	--	--
	MW-88	2019 - 2025	1 / 18	2.8	0.40	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-111	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-112	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	7 / 7	2.8	20	No	Down	--	2032	--	--
	MW-22	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-165	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-166	2019 - 2025	0 / 35	2.8	NA	Yes	--	--	Achieved	--	--
	MW-167	2019 - 2025	0 / 35	2.8	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	2.8	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	Cole D	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	Cole Steel (MW-12)	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	GM-1D	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-110	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-150	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
West Side of Codorus Creek	MW-101S	2021 - 2025	0 / 18	2.8	NA	Yes	--	--	Achieved	--	--
	MW-101D	2021 - 2025	1 / 18	2.8	0.23	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (72.5-73)	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
	MW-148A (136-136.5)	2019 - 2025	0 / 7	2.8	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-5	2021 - 2025	1 / 18	2.8	0.19	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	2.8	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	1 / 7	2.8	0.22	Yes	--	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 6	2.8	NA	Yes	--	--	Achieved	--	--

Notes:

RSL - United States Environmental Protection Agency Regional Screening Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved	- The Theil-Sen trend line intersects the RSL within the sample collection period
2032	- The year when the downward Theil-Sen trend line is projected to reach the RSL
2094	- The year when the upward Theil-Sen trend line is projected to reach the RSL
Yes	- Calculated UCL95 of the data set is less than the RSL, indicating the RSL will not be exceeded in the future
No	- Calculated UCL95 of the data set is greater than the RSL, indicating the RSL may be exceeded in the future

TABLE 4.0-6
2025 Groundwater Monitored Natural Attenuation Analysis - 1,1-Dichloroethene
Former Naval Ordnance Plant - York, PA

1,1-Dichloroethene (11DCE)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-9	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-12	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-16S	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-18S	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-18D	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-20S	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-20M	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-143S	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	CW-2	2013 - 2025	0 / 13	7	NA	Yes	--	--	Achieved	--	--
	MW-2	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	7 / 7	7	2.0	Yes	None	Up	2119	--	--
	MW-67D	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-69	2019 - 2025	1 / 7	7	0.26	Yes	--	--	Achieved	--	--
	MW-79	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-88	2019 - 2025	0 / 18	7	NA	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-111	2019 - 2025	5 / 7	7	0.64	Yes	None	Down	Achieved	--	--
	MW-112	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	7 / 7	7	3.1	Yes	Down	--	Achieved	--	--
	MW-22	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-165	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-166	2019 - 2025	0 / 35	7	NA	Yes	--	--	Achieved	--	--
	MW-167	2019 - 2025	0 / 35	7	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	7	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	Cole D	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	Cole Steel (MW-12)	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	GM-1D	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-110	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-150	2019 - 2025	7 / 7	7	0.90	Yes	Down	--	Achieved	--	--
West Side of Codorus Creek	MW-101S	2021 - 2025	0 / 18	7	NA	Yes	--	--	Achieved	--	--
	MW-101D	2021 - 2025	1 / 18	7	0.20	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (72.5-73)	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-148A (136-136.5)	2019 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-5	2021 - 2025	1 / 18	7	0.21	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	7	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	0 / 7	7	NA	Yes	--	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 6	7	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved - The Theil-Sen trend line intersects the MCL within the sample collection period

2035 - The year when the downward Theil-Sen trend line is projected to reach the MCL

2094 - The year when the upward Theil-Sen trend line is projected to reach the MCL

Yes - Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future

No = Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-7
2025 Groundwater Monitored Natural Attenuation Analysis 1,2-Dichloroethane
Former Naval Ordnance Plant - York, PA

1,2-Dichloroethane (12DCA)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-9	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-12	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-16S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-18S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-18D	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-20S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-20M	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-143S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	CW-2	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-2	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-67D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-69	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-79	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-88	2019 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-111	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-112	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	4 / 7	5	1.5	Yes	Down	--	Achieved	--	--
	MW-22	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-165	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-166	2019 - 2025	0 / 35	5	NA	Yes	--	--	Achieved	--	--
	MW-167	2019 - 2025	0 / 35	5	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	5	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	Cole D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	Cole Steel (MW-12)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	GM-1D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	MW-110	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-150	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-101S	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
West Side of Codorus Creek	MW-101D	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-148A (72.5-73)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-148A (136-136.5)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-5	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 6	5	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved	- The Theil-Sen trend line intersects the MCL within the sample collection period
2035	- The year when the downward Theil-Sen trend line is projected to reach the MCL
2094	- The year when the upward Theil-Sen trend line is projected to reach the MCL
Yes	- Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future
No	- Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-8
2025 Groundwater Monitored Natural Attenuation Analysis - 1,1,1-Trichloroethane
Former Naval Ordnance Plant - York, PA

1,1,1-Trichloroethane (111TCA)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-9	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-12	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-16S	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-18S	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-18D	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-20S	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-20M	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-143S	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	CW-2	2013 - 2025	0 / 13	200	NA	Yes	--	--	Achieved	--	--
	MW-2	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	7 / 7	200	10	Yes	None	Up	2833	--	--
	MW-67D	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-69	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-79	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-88	2019 - 2025	0 / 18	200	NA	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-111	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-112	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-22	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-165	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-166	2019 - 2025	0 / 35	200	NA	Yes	--	--	Achieved	--	--
	MW-167	2019 - 2025	0 / 35	200	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	200	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	Cole D	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	Cole Steel (MW-12)	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	GM-1D	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-110	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
West Side of Codorus Creek	MW-150	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-101S	2021 - 2025	1 / 18	200	0.10	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-101D	2021 - 2025	1 / 18	200	0.088	Yes	--	--	Achieved	--	--
	MW-148A (72.5-73)	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (136-136.5)	2019 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
	MW-5	2021 - 2025	0 / 18	200	NA	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	200	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	0 / 7	200	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-186	2021 - 2025	0 / 6	200	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved - The Theil-Sen trend line intersects the MCL within the sample collection period

2035 - The year when the downward Theil-Sen trend line is projected to reach the MCL

2094 - The year when the upward Theil-Sen trend line is projected to reach the MCL

Yes - Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future

No = Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-9
2025 Groundwater Monitored Natural Attenuation Analysis - Benzene
Former Naval Ordnance Plant - York, PA

Benzene											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	MCL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < MCL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches MCL	UCL95 (µg/l)	UCL95 < MCL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-9	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-12	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-16S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-18S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-18D	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-20S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-20M	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-143S	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	CW-2	2013 - 2025	0 / 13	5	NA	Yes	--	--	Achieved	--	--
	MW-2	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-67D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-69	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-79	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-88	2019 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-111	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-112	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	7 / 7	5	9.3	No	Down	--	2026	--	--
	MW-22	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-165	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-166	2019 - 2025	0 / 35	5	NA	Yes	--	--	Achieved	--	--
	MW-167	2019 - 2025	0 / 35	5	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	5	NA	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-43D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	Cole D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	Cole Steel (MW-12)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	GM-1D	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-110	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-150	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	MW-101S	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-101D	2021 - 2025	4 / 18	5	1.6	Yes	None	None	NA	0.551	Yes
West Side of Codorus Creek	MW-148A (72.5-73)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-148A (136-136.5)	2019 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-5	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	5	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	0 / 7	5	NA	Yes	--	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 6	5	NA	Yes	--	--	Achieved	--	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved - The Theil-Sen trend line intersects the MCL within the sample collection period

2026 - The year when the downward Theil-Sen trend line is projected to reach the MCL

2094 - The year when the upward Theil-Sen trend line is projected to reach the MCL

Yes - Calculated UCL95 of the data set is less than the MCL, indicating the MCL will not be exceeded in the future

No = Calculated UCL95 of the data set is greater than the MCL, indicating the MCL may be exceeded in the future

TABLE 4.0-10
2025 Groundwater Monitored Natural Attenuation Analysis - Methyl Tertiary-Butyl Ether
Former Naval Ordnance Plant - York, PA

Methyl Tertiary-Butyl Ether (MTBE)											
Location at fYNOP	Well Identification	Sample Collection Period	Frequency of Detection	RSL (µg/l)	Max Detected Concentration (µg/l)	2025 Concentration < RSL?	M-K Trend 90% CC	M-K Trend 80% CC	Date Trend Line Reaches RSL	UCL95 (µg/l)	UCL95 < RSL?
Northern Property Boundary Area (NPBA)	MW-3	2013 - 2025	3 / 13	14	0.26	Yes	--	--	NA	0.218	Yes
	MW-9	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-12	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-16S	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-18S	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-18D	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-20S	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-20M	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-143S	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-143D	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
Eastern Site Perimeter (ESP)	CW-1A	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	CW-2	2013 - 2025	0 / 13	14	NA	Yes	--	--	Achieved	--	--
	MW-2	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
South-Central Site Area (SCSA)	MW-14	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-65S	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-67S	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-67D	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-69	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-79	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-88	2019 - 2025	0 / 18	14	NA	Yes	--	--	Achieved	--	--
	MW-111	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
Southern Property Boundary Area (SPBA)	MW-112	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-115	2019 - 2025	7 / 7	14	28	Yes	Down	--	2028	--	--
	MW-22	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-108S	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-108D	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-165	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-166	2019 - 2025	0 / 35	14	NA	Yes	--	--	Achieved	--	--
South Plume Area (SPA)	MW-167	2019 - 2025	0 / 35	14	NA	Yes	--	--	Achieved	--	--
	MW-168	2019 - 2025	0 / 34	14	NA	Yes	--	--	Achieved	--	--
	MW-43D	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	Cole D	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	Cole Steel (MW-12)	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	GM-1D	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
Codorus Creek Levee Area	MW-110	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-150	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-101S	2021 - 2025	0 / 18	14	NA	Yes	--	--	Achieved	--	--
West Side of Codorus Creek	MW-101D	2021 - 2025	0 / 18	14	NA	Yes	--	--	Achieved	--	--
	MW-148A (72.5-73)	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
Northern Site Perimeter (NSP)	MW-148A (136-136.5)	2019 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--
	MW-5	2021 - 2025	0 / 18	14	NA	Yes	--	--	Achieved	--	--
	MW-6	2021 - 2025	0 / 18	14	NA	Yes	--	--	Achieved	--	--
	MW-82	2021 - 2025	0 / 6	14	NA	Yes	--	--	Achieved	--	--
	MW-186	2021 - 2025	0 / 7	14	NA	Yes	--	--	Achieved	--	--

Notes:

RSL - United States Environmental Protection Agency Regional Screening Level (November 2024)

Mann-Kendall (M-K) trend tests using USEPA ProUCL version 5.2 statistical software package (USEPA, 2022)

CC - Confidence Coefficient

M-K Trends were calculated for wells with a minimum of four detected concentrations

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable

None - Insufficient statistical evidence of a significant trend at the specified CC

Up/Down - The direction of the Theil-Sen trend line fit to the data set

-- - Analysis not performed

Achieved - The Theil-Sen trend line intersects the RSL within the sample collection period

2035 - The year when the downward Theil-Sen trend line is projected to reach the RSL

2027 - The year when the upward Theil-Sen trend line is projected to reach the RSL

Yes - Calculated UCL95 of the data set is less than the RSL, indicating the RSL will not be exceeded in the future

No - Calculated UCL95 of the data set is greater than the RSL, indicating the RSL may be exceeded in the future

TABLE 4.2-1
2025 Groundwater Monitored Natural Attenuation Analysis Results Summary
Former Naval Ordnance Plant - York, PA

Location at fYNOP	Well Identification	Trichloroethene (TCE)		Tetrachloroethene (PCE)		cis-1,2-Dichloroethene (cis12DCE)		Vinyl Chloride (VC)		1,1-Dichloroethane (11DCA)		1,1-Dichloroethene (11DCE)		1,2-Dichloroethane (12DCA)		1,1,1-Trichloroethane (111TCA)		Benzene		Methyl Tertiary-Butyl Ether (MTBE)	
		Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches RSL	UCL95 < RSL?	Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches MCL	UCL95 < MCL?	Date Trend Line Reaches RSL	UCL95 < RSL?
Northern Property Boundary Area (NPBA)	MW-3	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	NA	Yes
	MW-9	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-12	2033 - Down*	--	Achieved	--	2024 - Up*	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-16S	NA	No*	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-18S	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-18D	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-20S	Achieved*	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-20M	NA	No	2164 - Up	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-143S	Achieved	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-143D	Achieved	--	Achieved	--	2251 - Up	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
Eastern Site Perimeter (ESP)	CW-1A	2032 - Down*	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	CW-2	Achieved	--	Achieved	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-2	NA	Yes	NA	No*	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
South-Central Site Area (SCSA)	MW-14	Achieved	--	NA	No*	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-65S	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-67S	Achieved	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	2119 - Up	--	Achieved	--	2833 - Up	--	Achieved	--	Achieved	--
	MW-67D	Achieved	--	NA	Yes	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-69	Achieved	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-79	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-88	Achieved	--	2023 - Up*	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-111	NA	Yes	Achieved	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-112	2086 - Up	--	2051 - Up	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
Southern Property Boundary Area (SPBA)	MW-115	Achieved	--	Achieved	--	Achieved*	--	NA	No*	2032 - Down*	--	Achieved	--	Achieved	--	Achieved	--	2026 - Down*	--	2028 - Down	--
	MW-22	Achieved	--	NA	No*	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-108S	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-108D	Achieved	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-165	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-166	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-167	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
South Plume Area (SPA)	MW-168	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-43D	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	Cole D	Achieved	--	2030 - Down*	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	Cole Steel (MW-12)	2040 - Down*	--	NA	Yes	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	GM-1D	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-110	Achieved	--	2036 - Down*	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
Codorus Creek Levee Area	MW-150	2032 - Down*	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-101S	NA	Yes	2030 - Up	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-101D	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	NA	Yes	Achieved	--
West Side of Codorus Creek	MW-148A (72.5-73)	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-148A (136-136.5)	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
Northern Site Perimeter (NSP)	MW-5	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-6	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-82	Achieved	--	NA	Yes	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--
	MW-186	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--	Achieved	--

Notes:

MCL - United States Environmental Protection Agency Maximum Contaminant Level (November 2024)

RSL - United States Environmental Protection Agency Regional Screening Level for residential tap water (TR = 1x10-6 and THQ = 1.0) (November 2024)

UCL95 - Upper Confidence Limit on the mean with 95% confidence; calculated for data sets without trend and a minimum of two detected concentrations

NA - Not Applicable (insufficient statistical evidence of a significant trend from Mann-Kendall trend test)

-- - UCL95 not calculated for data sets with a trend

* - The measured concentration in 2025 is greater than the MCL or RSL

Achieved - The Theil-Sen trend line intersects the MCL or RSL within the sample collection period

2026 - The year when the downward Theil-Sen trend line is projected to reach the MCL or RSL

2094 - The year when the upward Theil-Sen trend line is projected to reach the MCL or RSL

Yes - Calculated UCL95 of the data set is less than the MCL or RSL, indicating the MCL or RSL will not be exceeded in the future

No = Calculated UCL95 of the data set is greater than the MCL or RSL, indicating the MCL or RSL may be exceeded in the future

TABLE 6.3-1**SPBA Groundwater Extraction System Remedial Action Performance Data for January through December 2025
Former York Naval Ordnance Plant - York, PA**

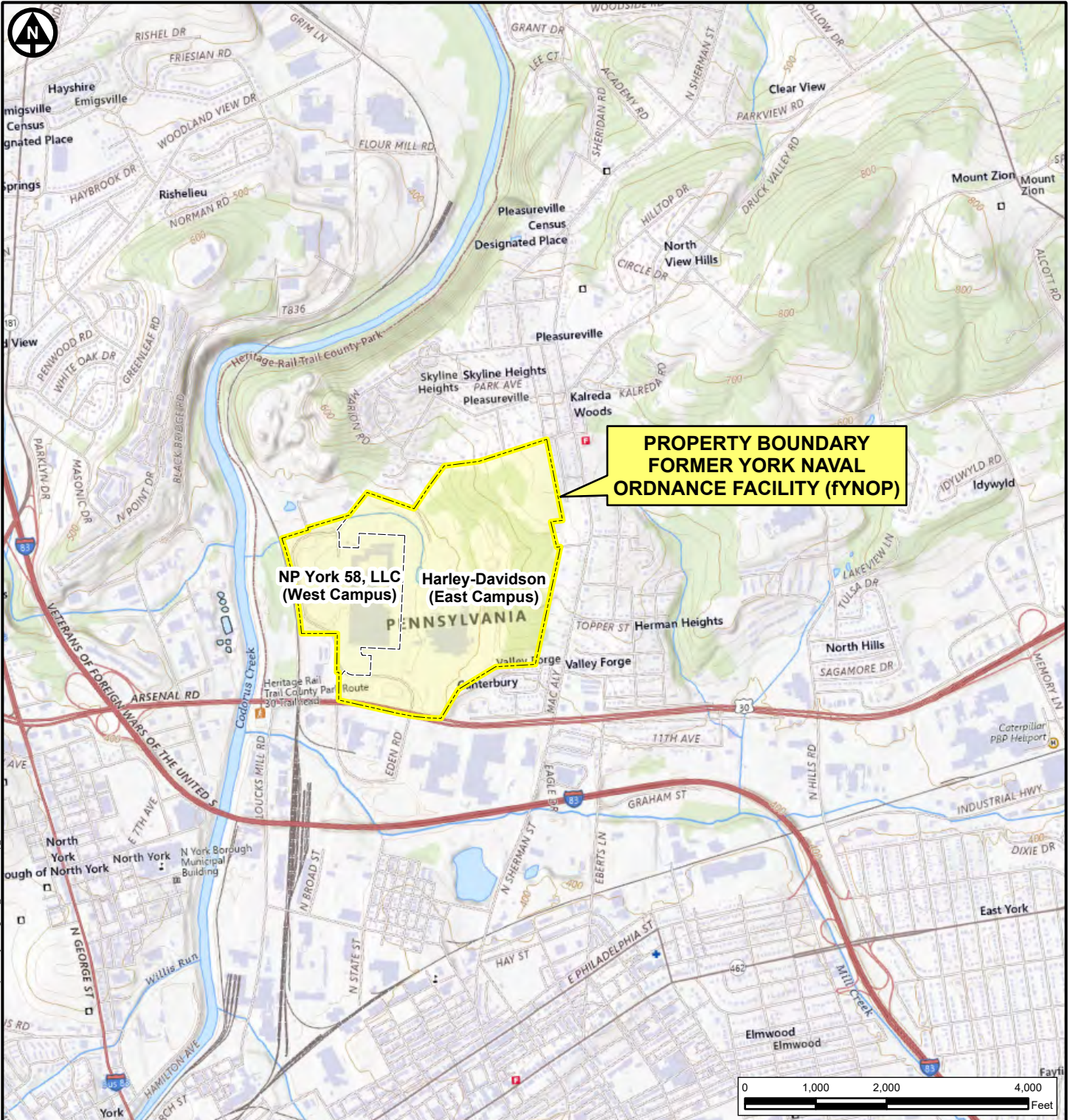
Quarter/Year	Total Volatile Organic Compound (VOC) Concentration (µg/L)	Volume of Groundwater Pumped per Quarter (gallons)	Volume of Groundwater Pumped per Quarter (MG)	Total VOC Mass Removed per Quarter (pounds)
1Q2025	78	602,633	0.6	0.4
2Q2025	77	738,259	0.7	0.5
3Q2025	82	755,479	0.8	0.5
4Q2025	82	619,128	0.6	0.4
2025 TOTAL		2,715,499		1.8
Notes: µg/L - micrograms per liter MG - million gallons Volume of groundwater pumped per month based on flow meter data for extraction wells CW-21, CW-22, and CW-23 HTG collected SPBA extraction system groundwater samples quarterly during 2025. The total VOC mass removed per quarter were calculated using the quarterly concentrations.				

TABLE 6.3-2
SPBA Groundwater Extraction System Pumping Data for January through December 2025
Former York Naval Ordnance Plant - York, PA

Month/Year	CW-21 Average Monthly Pumping Rate (gpm)	CW-22 Average Monthly Pumping Rate (gpm)	CW-23 Average Monthly Pumping Rate (gpm)	Total SPBA Average Monthly Pumping Rate (gpm)	Total Monthly Precipitation (Inches)
Jan-25	2.8	1.6	0.0	4.4	0.4
Feb-25	2.8	1.6	0.2	4.6	1.1
Mar-25	2.9	1.6	0.4	4.9	2.4
Apr-25	3.0	1.7	0.3	5.0	2.5
May-25	3.2	1.9	0.6	5.7	8.5
Jun-25	3.7	1.7	0.8	6.2	6.1
Jul-25	3.7	1.8	0.8	6.3	5.3
Aug-25	3.3	1.6	0.7	5.6	1.4
Sep-25	3.0	1.5	0.5	5.0	2.0
Oct-25	2.9	1.5	0.3	4.7	3.3
Nov-25	2.8	1.7	0.2	4.7	1.6
Dec-25	2.7	1.7	0.1	4.5	1.8
Average Monthly 2025	3.1	1.7	0.4	5.2	3.0

Notes: SPBA - Southern Property Boundary Area
gpm - gallons per minute
Average monthly pumping rates are based on extraction well totalizing flow meter readings
Monthly precipitation data were obtained from the National Oceanic and Atmospheric Administration website:
<https://www.noaa.gov/weather> (York, PA airport weather station).

Figures

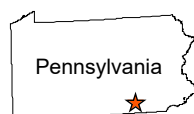


Aerial View



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Site Location



Sources:

Aerial Imagery: PASDA Imagery Web Service dated 2021-23.

Topographic Map: USGS The National Map Web Service.

Quadrangles: York and York Haven, PA

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Former York Naval Ordnance Plant

fYNOP Location Map

1425 Eden Road, York, Pennsylvania 17402

Project Number
GSC.0100125300

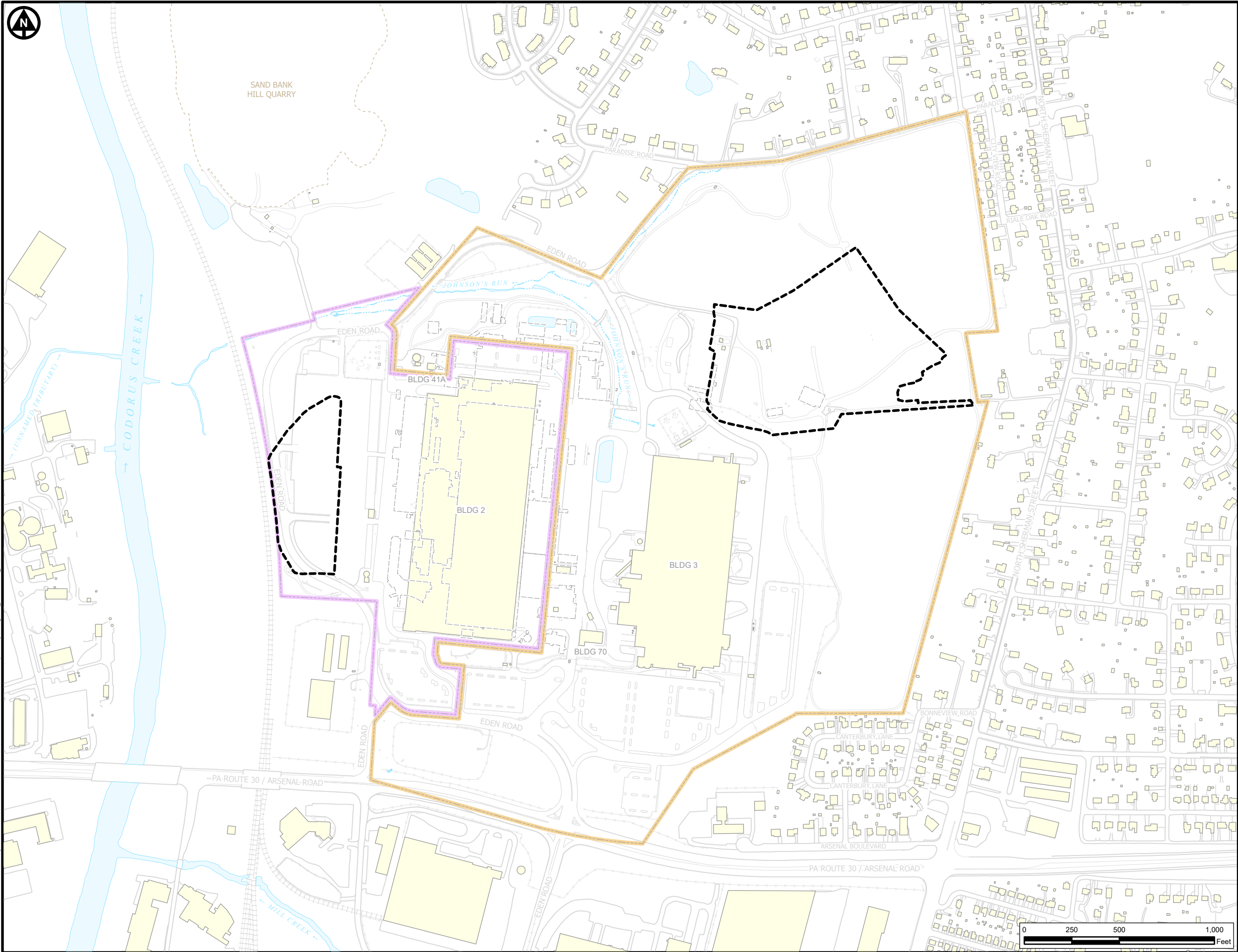
Date
05/2026

Author
jbloomer

Scale
1 in = 2,000 ft

Figure

1.0-1



Edited: 5/8/2026 File Location: C:\Users\jbloomer\OneDrive - Verdantas\GIS User Hub - R\NCP\2025 PRCP\2025 PRCP.aprx Layout: Fig 1.1-1 MMRP Areas 20260309

- LEGEND**
- Military Munitions Response Program (MMRP) Area
 - Existing Building
 - Building Demolished/Slab Removed
 - Stream
 - Water Feature
 - Road, Curb, or Walkway
 - Fenceline
 - Railroad

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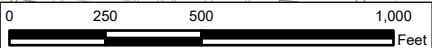
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Former York Naval Ordnance Plant

MMRP Areas

1425 Eden Road, York, Pennsylvania 17402

Project Number	GSC.0100125300
Date	05/2026
Author	jbloomer
Scale	1 in = 500 ft
Figure	1.1-1





LEGEND

- Harley-Davidson Property Boundary (East Campus)
- NP York 58, LLC Property Boundary (West Campus)
- K. G. Whiteford Parcel Boundary
- Land Use Area Boundary

LAND USE AREAS (LUAs)
(from fYNOP Cleanup Plan)

- 1 East Campus - Developed Areas
- 2 East Campus - Undeveloped Areas
- 3 West Campus - Warehouse Building Area and West Parking Lot (WPL)
- 4 Residential Areas
- 5 Industrial Areas - Developed Areas
- 6 West of WPL - Undeveloped Areas
- 7 Codorus Creek and Mouth of Johnsons Run

NOTES:
East Campus Act 2 site for soil consists of LUAs 1 and 2.
West Campus Act 2 site for soil consists of LUA 3.
Act 2 site for groundwater consists of LUAs 1 through 6.

SOURCES:
Figure 2, Revised Human Health Risk Assessment, March 23, 2018.
"EC" Area (former plating area) from the Environmental Covenant for the K. G. Whiteford Ltd. Property, June 19, 2012.
K. G. Whiteford parcel boundary from York Planning Commission online parcel viewer, last accessed September 2019.
The aerial photo was acquired through the Esri Imagery Web Service. Aerial photography dated 2025.

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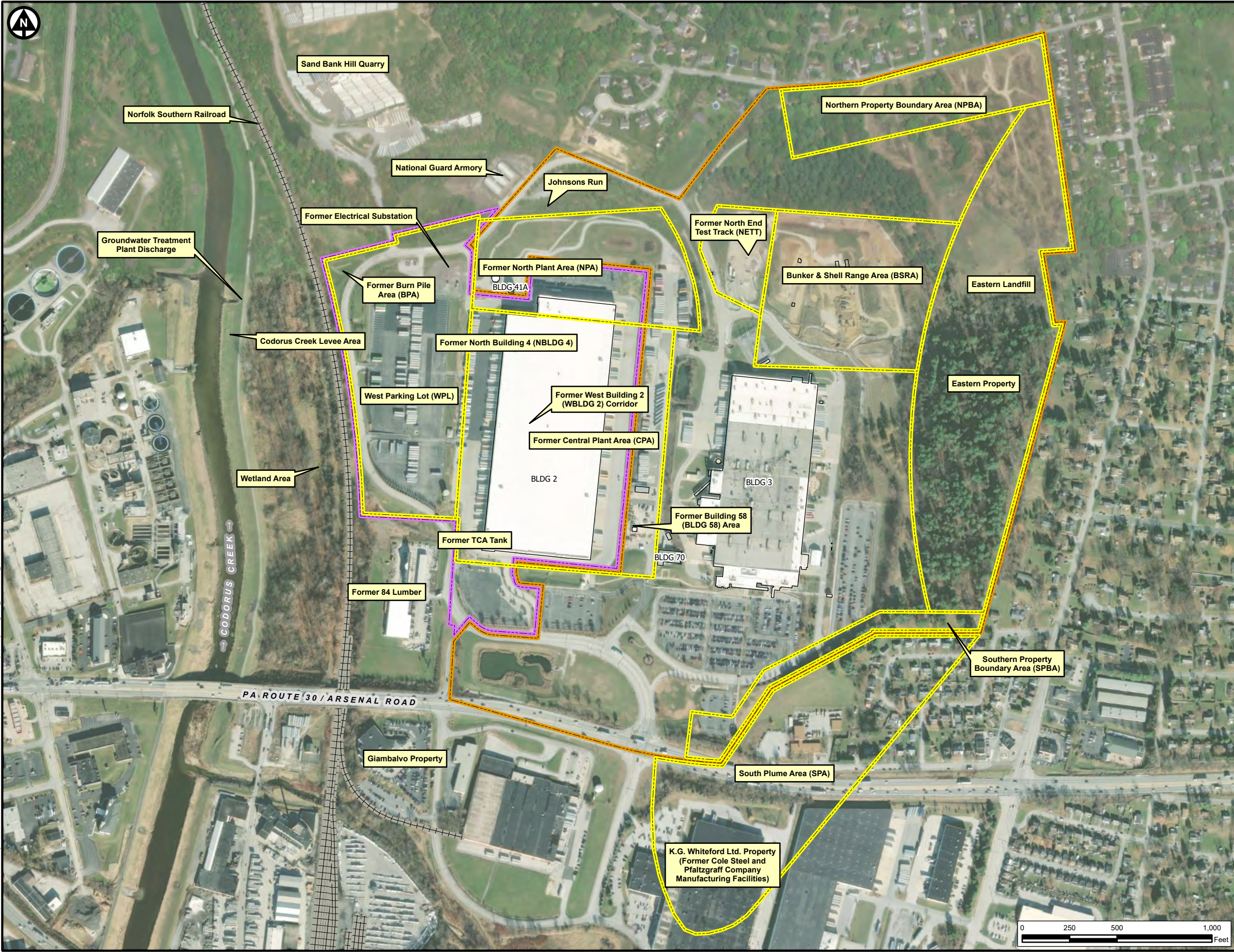
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Former York Naval Ordnance Plant

Land Use Areas

1425 Eden Road, York, Pennsylvania 17402

Project Number	GSC.0100125300
Date	05/2026
Author	jbloomer
Scale	1 in = 800 ft
Figure	1.2-1



- LEGEND**
- Former York Naval Ordnance Plant (fYNOP) Area Designation
 - Harley-Davidson Property Boundary (East Campus)
 - NP York 58, LLC Property Boundary (West Campus)

SOURCES:
Figure 1.1-1, Supplemental Remedial Investigation Groundwater Report (Part 2), March 2018.
The aerial photo was acquired through the Esri Imagery Web Service. Aerial photography dated 2025.

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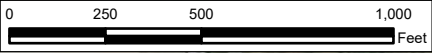
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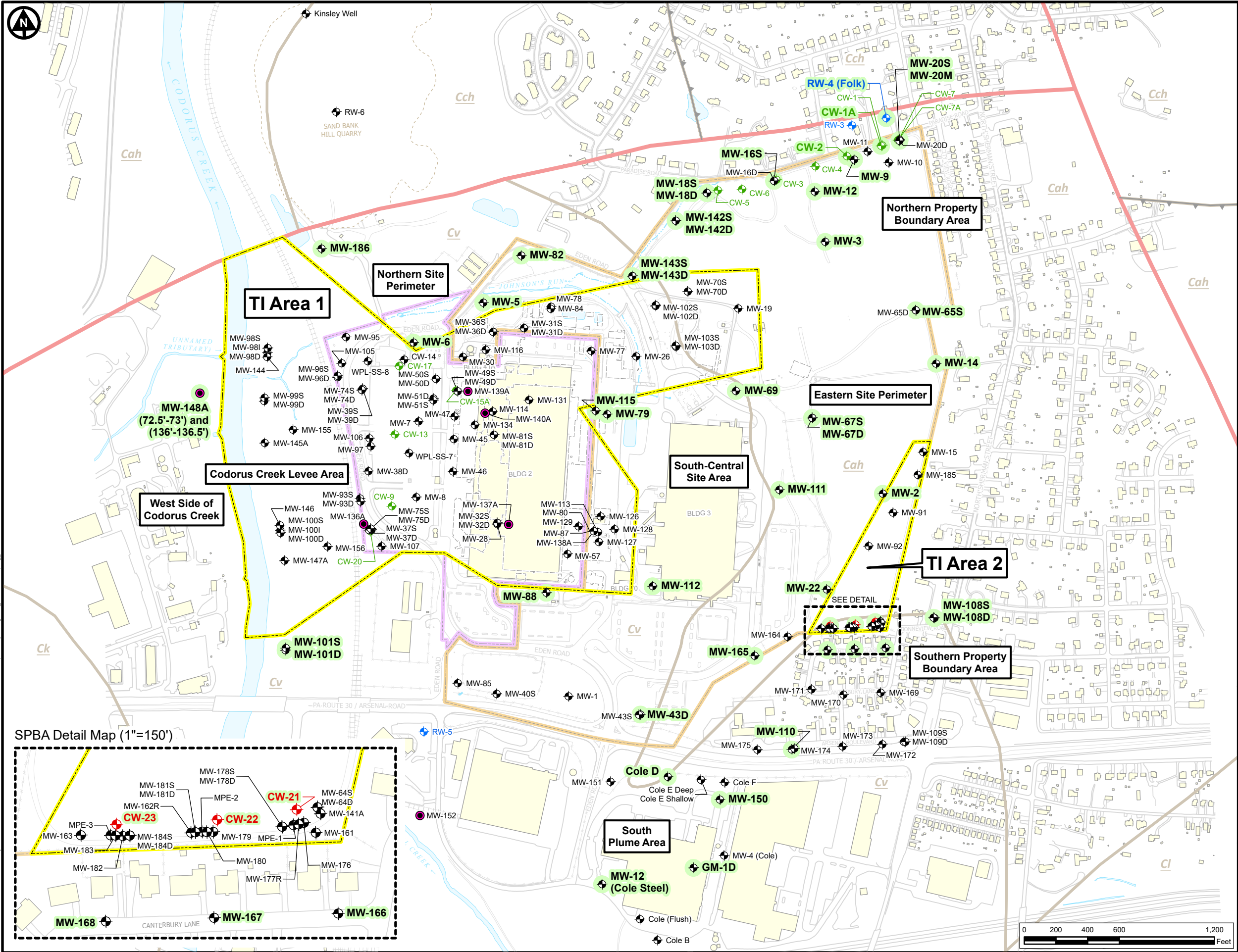
Former York Naval Ordnance Plant

fYNOP Area Designations

1425 Eden Road, York, Pennsylvania 17402

Project Number	GSC.0100125300
Date	05/2026
Author	jbloomer
Scale	1 in = 500 ft
Figure	2.1-1





LEGEND

- 2025 Groundwater Sampling Location
- Extraction Well
- Inactive Extraction Well
- Monitoring Well
- Residential Well
- Waterloo™ Monitoring Well
- Block Fault
- Thrust Fault
- Antietam & Harpers Formation, undiv. (Cah)
- Chickies Formation (Cch)
- Kinzers Formation (Ck)
- Ledger Formation (Ci)
- Vintage Formation (Cv)
- Technical Impracticability (TI) Area Boundary
- Harley-Davidson Property Boundary (East Campus)
- NP York 58, LLC Property Boundary (West Campus)
- Existing Building
- Building Demolished/Slab Removed
- Stream
- Water Feature
- Road, Curb, or Walkway
- Fenceline
- Railroad

NOTE:
Open intervals for monitoring well
MW-148A sample ports are shown in feet
below ground surface.

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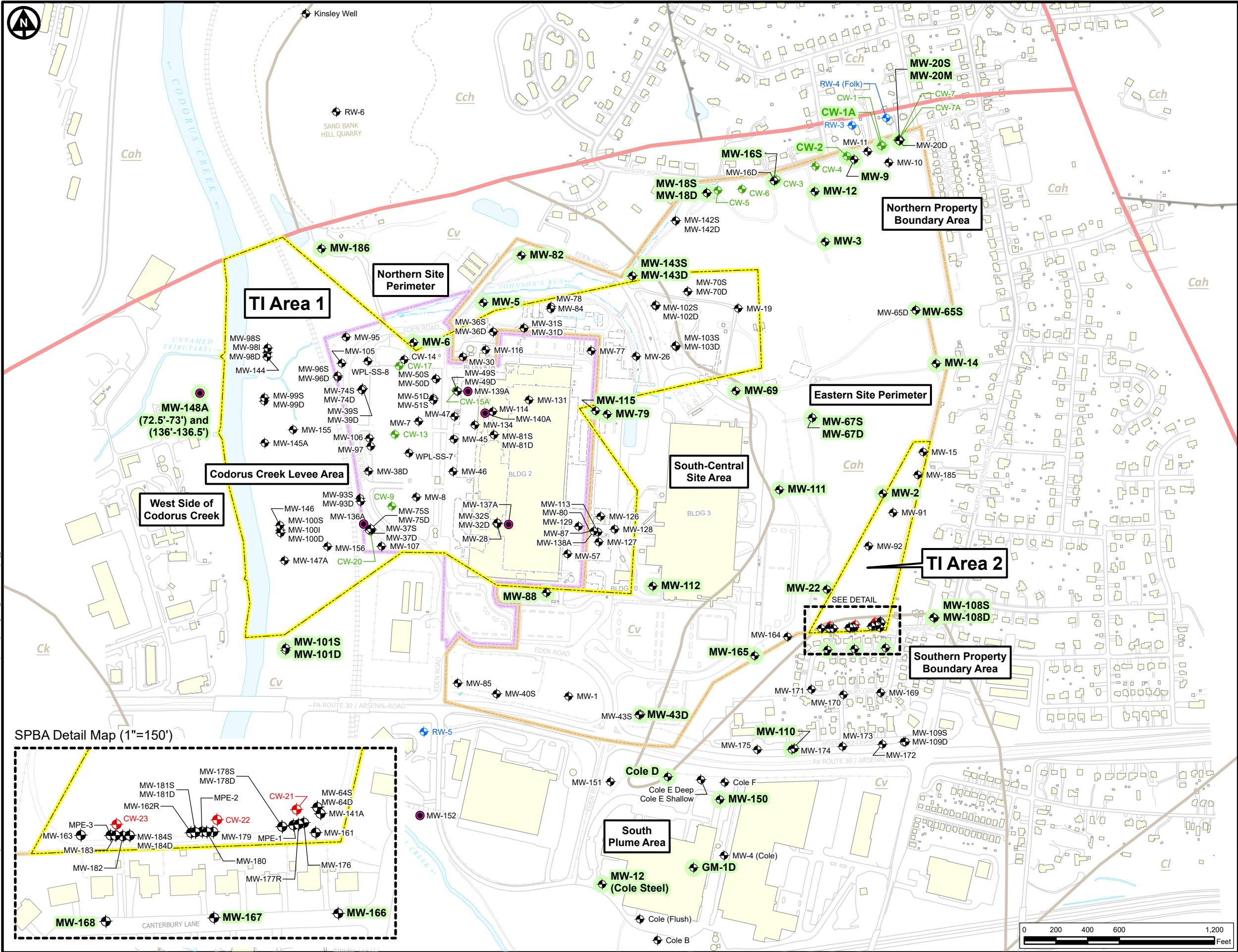
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Former York Naval Ordnance Facility

**2025 Groundwater
Sampling Locations**

1425 Eden Road, York, Pennsylvania 17402

Project Number
GSC.0100125300
Date
05/2026
Author
jbloomer
Scale
1 in = 600 ft
Figure
2.2-1



LEGEND

- MNA Monitored Natural Attenuation
- Groundwater MNA Sampling Location
- Extraction Well
- Inactive Extraction Well
- Monitoring Well
- Residential Well
- Waterloo™ Monitoring Well
- Technical Impracticability (TI) Area Boundary
- Road, Curb, or Walkway
- Fenceline
- Railroad
- Harley-Davidson Property Boundary (East Campus)
- NP York 58, LLC Property Boundary (West Campus)
- Block Fault
- Thrust Fault
- Antietam & Harpers Formation, undiv. (Cah)
- Chickies Formation (Cch)
- Kinzers Formation (Ck)
- Ledger Formation (Cl)
- Vintage Formation (Cv)
- Existing Building
- Building Demolished/Slab Removed
- Stream
- Water Feature

NOTE:
Open intervals for monitoring well
MW-148A sample ports are shown in feet
below ground surface.

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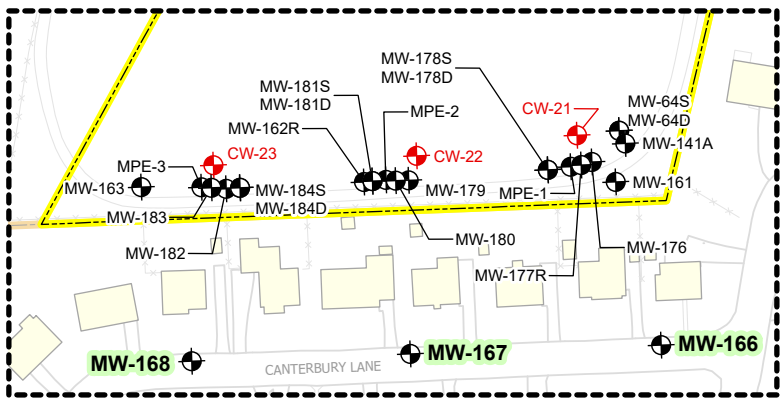
Former York Naval Ordnance Facility

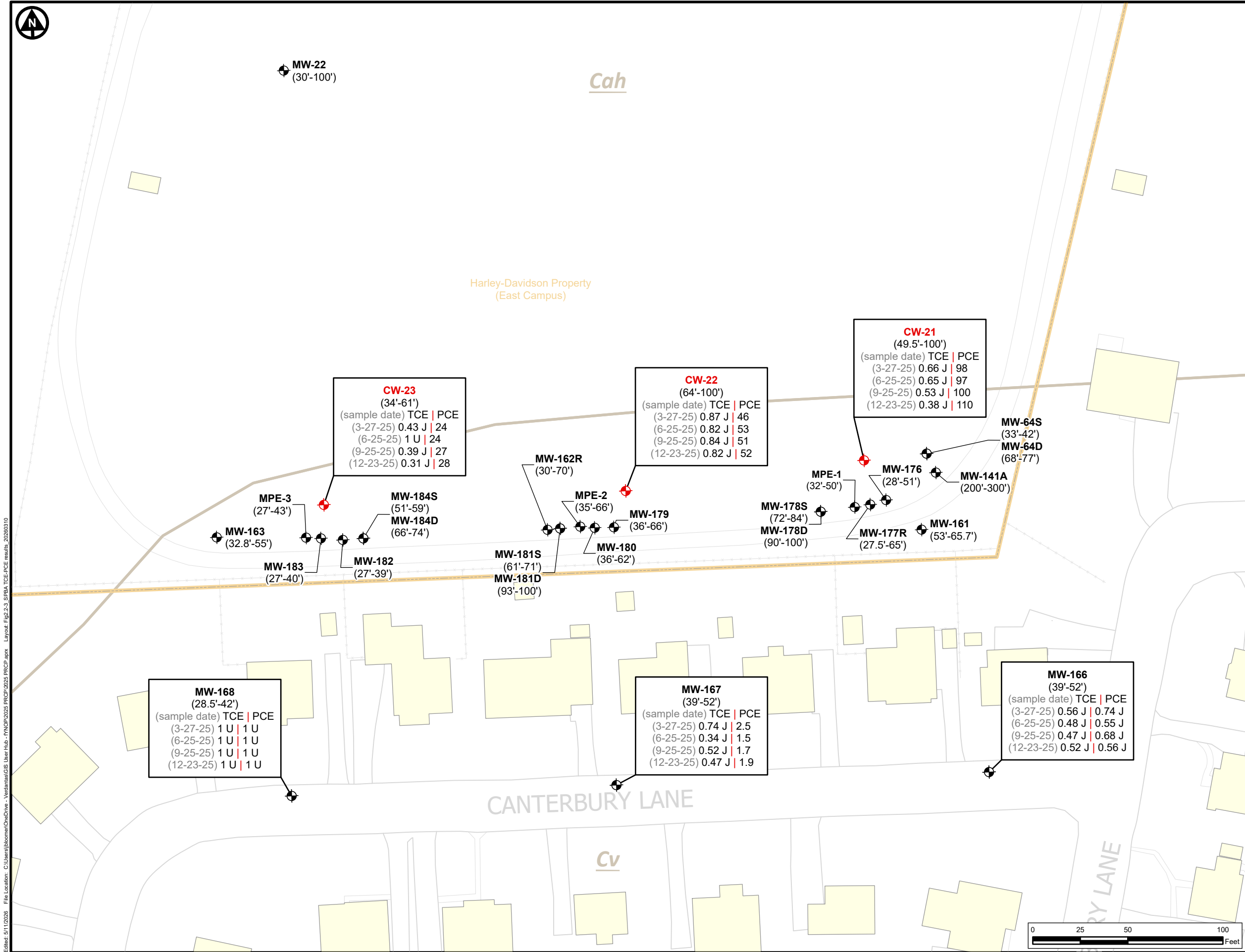
**MNA Area
Sampling Locations**

1425 Eden Road, York, Pennsylvania 17402

Project Number	GSC.0100125300
Date	05/2026
Author	jbloomer
Scale	1 in = 600 ft
Figure	2.2-2

SPBA Detail Map (1"=150')





Edited: 5/1/2026 File Location: C:\Users\jbloomer\OneDrive - Verdantas\GIS User Hub - \NORP\2025 PRCP\2025 PRCP.aprx Layout: Fig2.2-3 SPBA TCE/PCE results 20260510 Produced Using Esri's ArcGIS Software

LEGEND

SPBA Southern Property Boundary Area

TCE Trichloroethene

PCE Tetrachloroethylene

BGS Below Ground Surface

Extraction Well

Monitoring Well

MW-64S Location ID and
(33'-42') Screened or Open Interval (Feet BGS)

Harley-Davidson Property Boundary (East Campus)

Existing Building

Antietam & Harpers Formation, undiv. (Cah)

Vintage Formation (Cv)

NOTES:

- 1) Open intervals are shown below well designations in feet below ground surface.
- 2) TCE and PCE results are posted in the callout boxes for the wells sampled on the dates indicated in micrograms per liter (µg/L).
- 3) J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- 4) U = The analyte was analyzed for but was not detected above the reported sample quantitation limit.

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**SPBA TCE/PCE
Analytical Results for 2025**

1425 Eden Road, York, Pennsylvania 17402

Project Number

GSC.0100125300

Date

05/2026

Author

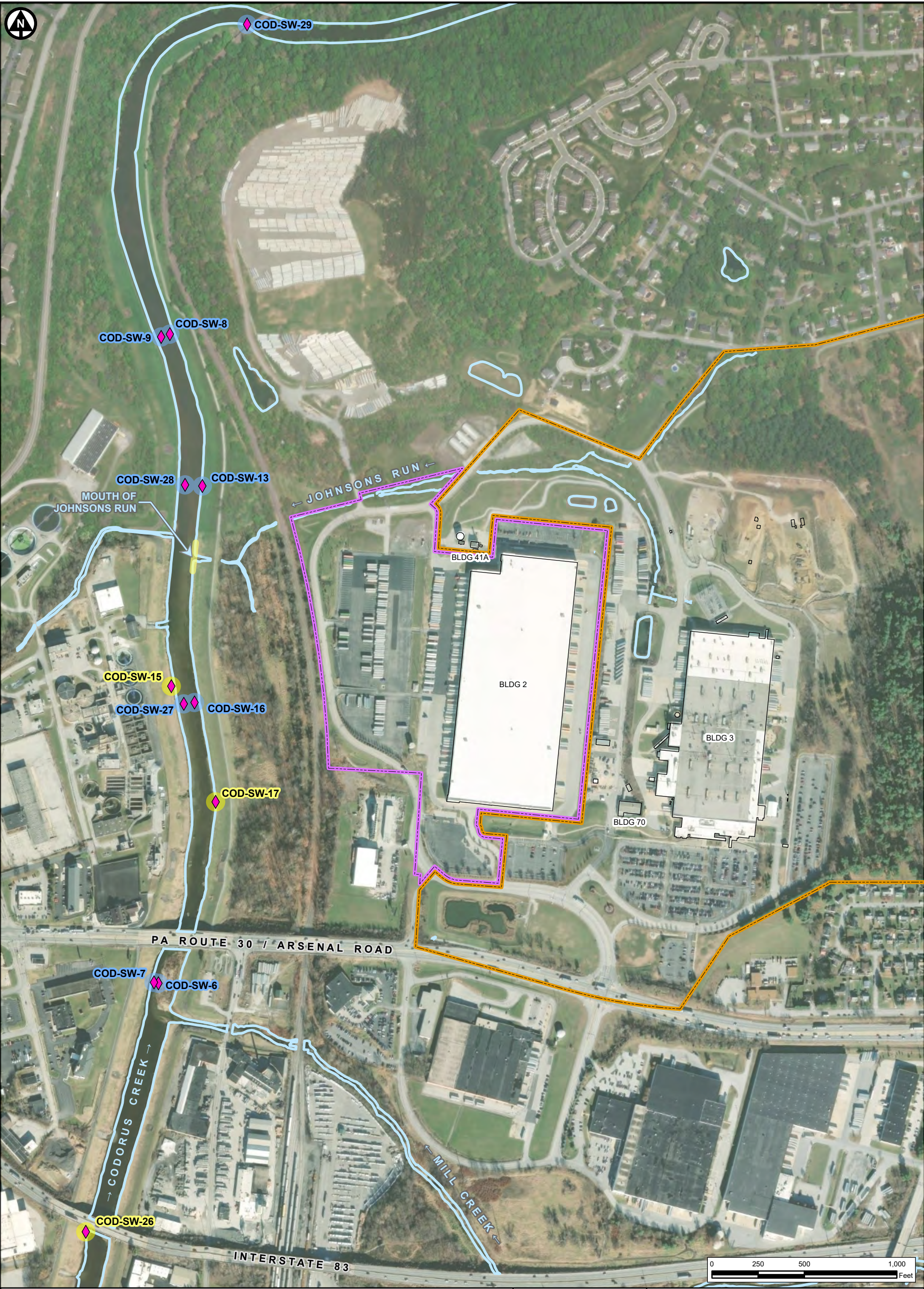
jbloomer

Scale

1 in = 50 ft

Figure

2.2-3



LEGEND

- ◆ Surface Water Sampling Location
- Focused Diffuse Groundwater Discharge Location
- Surface Water Sampling Location Downstream of Focused Diffuse Groundwater Discharge Location
- ▭ Harley-Davidson Property Boundary (East Campus)
- ▭ NP York 58, LLC Property Boundary (West Campus)
- Surface Water Feature

NOTE:
The aerial photo was acquired through the Esri Imagery Web Service. Aerial photography dated 2025.

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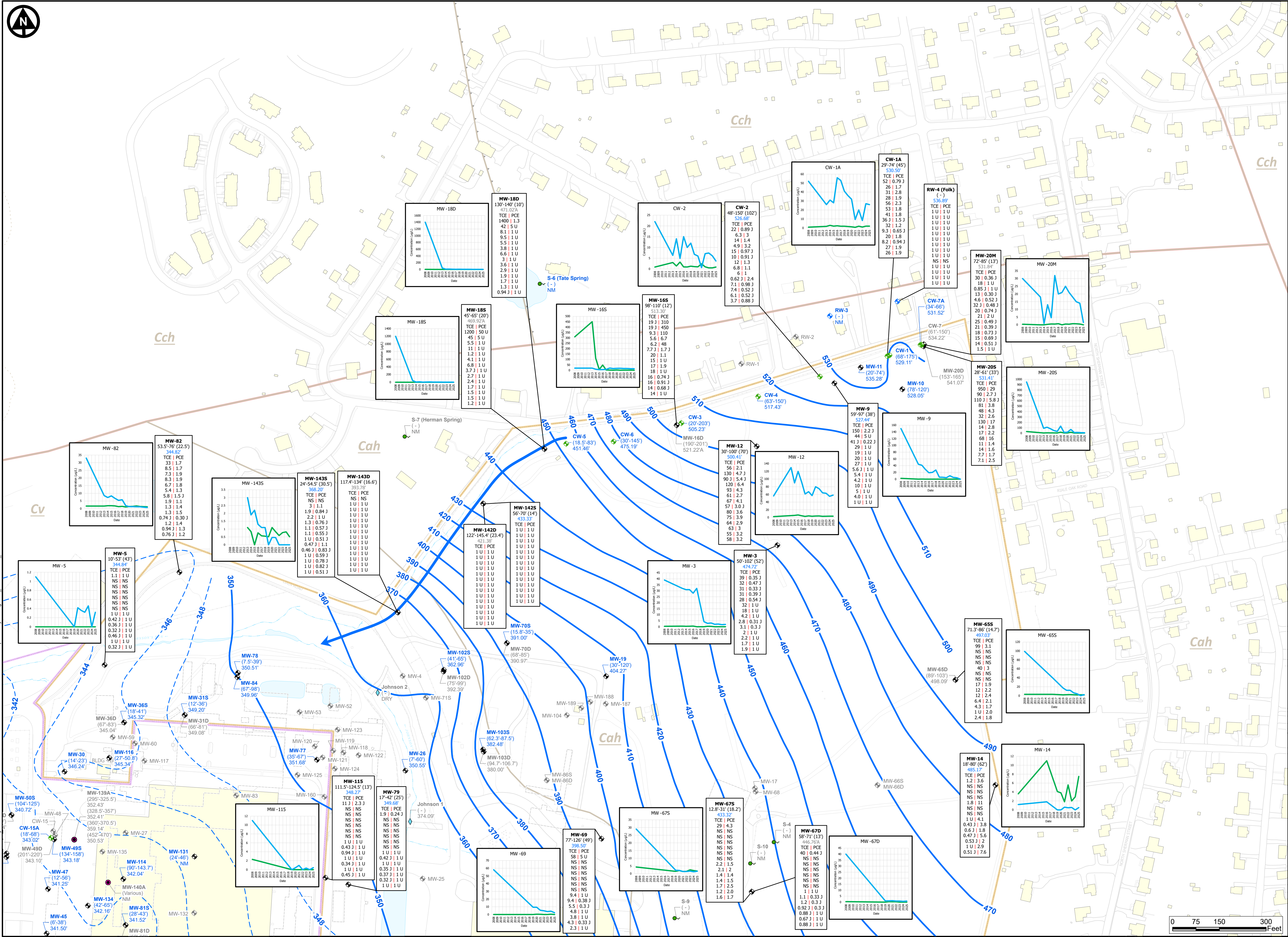
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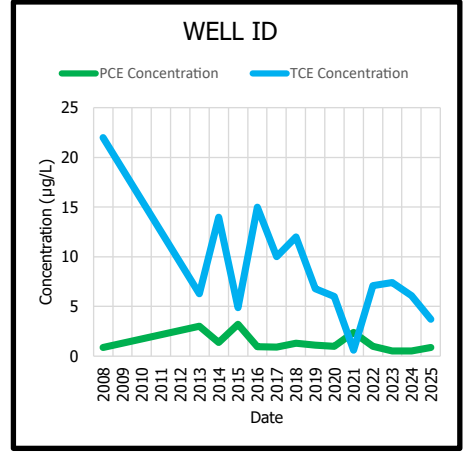
**Surface Water
Monitoring Locations**

1425 Eden Road, York, Pennsylvania 17402

Project Number	GSC.0100125300
Date	05/2026
Author	jblomer
Scale	1 in = 500 ft
Figure	3.0-1



- LEGEND**
- Inactive Extraction Well
 - Monitoring Well
 - Waterloo™ Monitoring Well
 - Residential Well
 - Abandoned Well
 - Spring
 - Surface Water
 - Groundwater Flow Path (Isotropic Aquifer)
 - Groundwater Contour (10-Foot Interval; Feet AMSL)
 - Groundwater Contour (2-Foot Interval; Feet AMSL)
 - Harley-Davidson Property Boundary (East Campus)
 - NP York 58, LLC Property Boundary (West Campus)
 - Existing Building
 - Building Demolished/Slab Removed
 - Antietam & Harpers Formation, undiv. (Cah)
 - Chickies Formation (Cch)
 - Vintage Formation (Cv)
 - Block Fault
 - Thrust Fault
 - Stream
 - Water Feature
 - Road, Curb, or Walkway
 - Fenceline



Location Identification
Top of Open Interval Feet BGS - Bottom of Open Interval Feet BGS (Open Interval Thickness)
Groundwater Elevation in Feet AMSL (September 2025) Used for Contouring
Groundwater Elevation in Feet AMSL (September 2025) Not Used for Contouring
NM = Water level not measured
AB = Abandoned

Trichloroethylene (TCE) and Tetrachloroethylene (PCE)
2008 RI Round 1 Event
2013 Comprehensive Sampling Event
2014 Comprehensive Sampling Event
2015 Comprehensive Sampling Event
2016 Comprehensive Sampling Event
2017 Comprehensive Sampling Event
2018 Comprehensive Sampling Event
2019 Comprehensive Sampling Event
2020 Comprehensive Sampling Event
2021 Comprehensive Sampling Event
2022 Comprehensive Sampling Event
2023 Comprehensive Sampling Event
2024 Comprehensive Sampling Event
2025 Comprehensive Sampling Event
NS = Not Sampled
AB = Abandoned

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample
U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
(-) = Open interval unknown.

- NOTES:**
- 1) AMSL - Above Mean Sea Level
 - 2) BGS - Below Ground Surface
 - 3) A - Artesian
 - 4) NM - Groundwater Level Not Measured
 - 5) Well screen intervals shown as (-) are unknown.
 - 6) There are two different groundwater elevation contour intervals on the map: 10-foot intervals for the eastern portion of the site and 2-foot intervals for the western portion of the site. The change occurs west of the 350' groundwater elevation contour.
 - 7) Water levels measured on September 23, 2025.
 - 8) At locations with multiple well-screen depths, only the groundwater elevation from the shallowest well was used to generate the contours because water levels from wells screened below the shallow portion of the aquifer do not represent the water table surface elevation in the aquifer.

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NPBA Water Table Contour Map and TCE/PCE Analytical Results

1425 Eden Road, York, Pennsylvania 17402

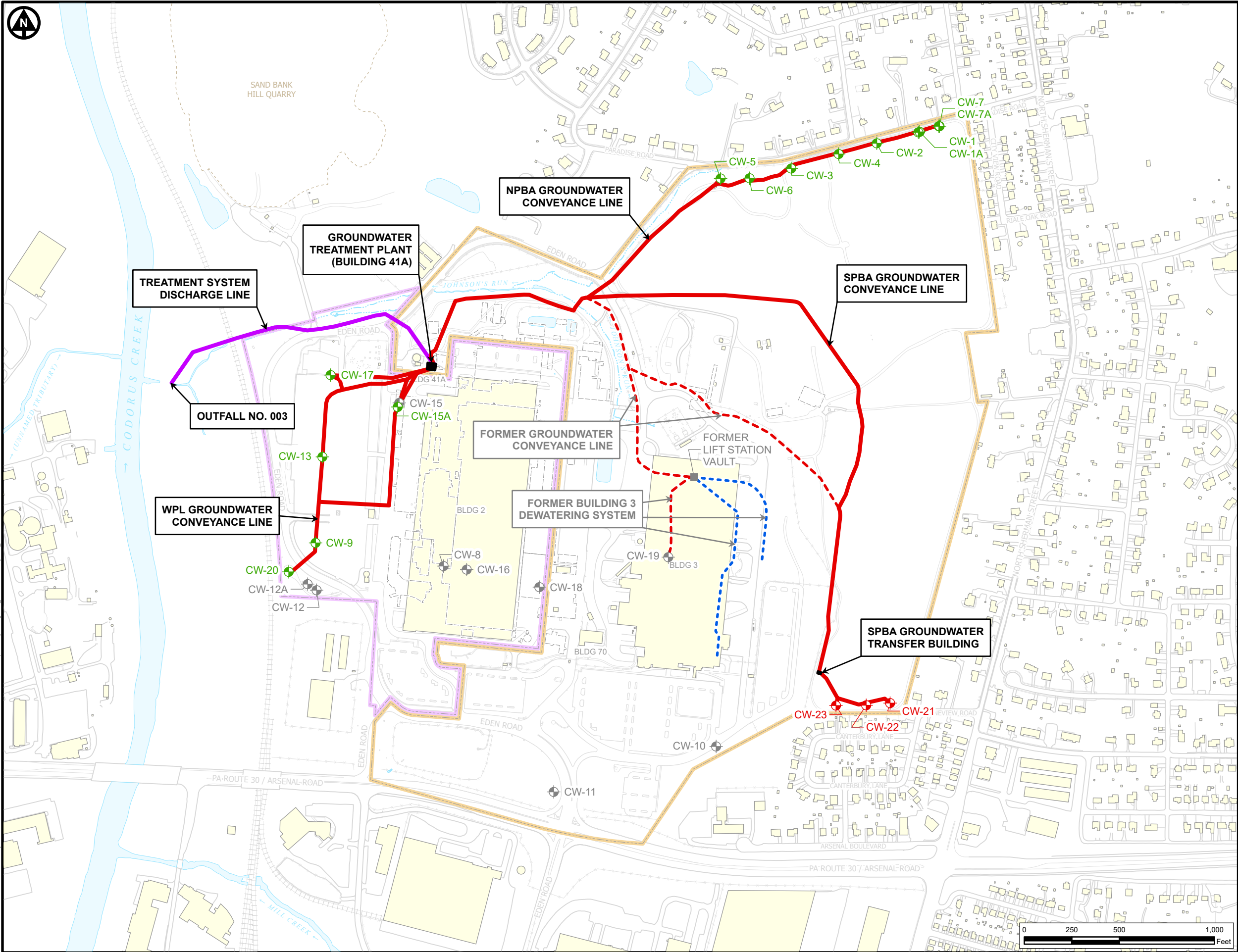
Project Number
GSC.0100123300

Date
05/2026

Author
jbloomer

Scale
1 in = 150 ft

Figure
5.1-1



LEGEND

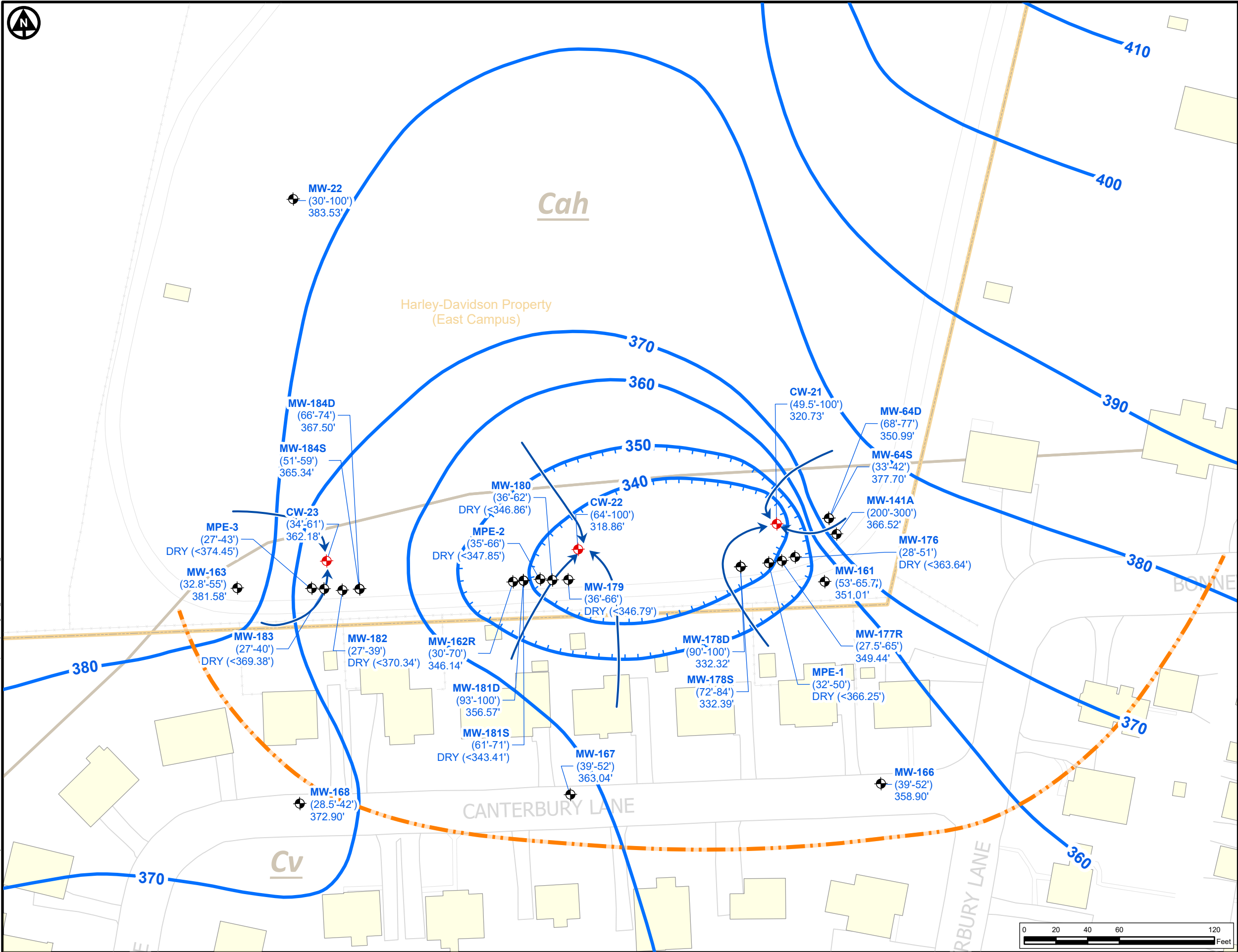
- NPBA Northern Property Boundary Area
- SPBA Southern Property Boundary Area
- WPL West Parking Lot
- Extraction Well
- Inactive Extraction Well
- Abandoned Extraction Well
- Former Lift Station Vault
- Groundwater Treatment System Conveyance Line
- Groundwater Treatment System Discharge Line
- Former Groundwater Treatment System Conveyance Line (Abandoned)
- Former Building 3 Groundwater Dewatering System Interceptor Trench (Abandoned)
- Harley-Davidson Property Boundary (East Campus)
- NP York 58, LLC Property Boundary (West Campus)
- Existing Building
- Building Demolished/Slab Removed
- Stream
- Water Feature
- Road, Curb, or Walkway
- Fenceline
- Railroad

SOURCES:
Harley-Davidson Motor Company Operations, Inc. (York, PA; "New Factory York Site Utility Plan", dated Oct. 5, 2011).
Hydro-Terra Group (Harrisburg, PA; "Figure 1-2 Groundwater Treatment System Location", dated Mar. 13, 2026).
Leidos (Reston, VA; "Groundwater Treatment System Location", dated Feb. 13, 2011, updated Jan. 5, 2017).

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Former York Naval Ordnance Plant	Project Number
	GSC.0100125300
	Date
	05/2026
	Author
Groundwater Extraction and Treatment System Layout	jbloomer
	Scale
	1 in = 500 ft
1425 Eden Road, York, Pennsylvania 17402	Figure
	6.3-1



LEGEND

- SPBA Southern Property Boundary Area
- AMSL Above Mean Sea Level
- BGS Below Ground Surface
- Extraction Well
- Monitoring Well
- Groundwater Contour (10-Foot Interval; Feet AMSL)
- Groundwater Depression (10-Foot Interval; Feet AMSL)
- Limit of Capture
- Inferred Direction of Groundwater Flow
- MW-64S** Location ID and Screened or Open Interval (Feet BGS) Groundwater Elevation (Feet AMSL) Used in Contouring
- Harley-Davidson Property Boundary (East Campus)
- Existing Building
- Antietam & Harpers Formation, undiv. (Cah)
- Vintage Formation (Cv)
- Road, Curb, or Walkway
- Fenceline

NOTES

- 1) Water levels measured on 9/23/2025.
- 2) Groundwater elevations are in feet above mean sea level (AMSL).
- 3) DRY = no water in well.
- 4) Open intervals are shown below well designations in feet below ground surface.
- 5) Extraction well pumping rates in gallons per minute (gpm) on September 23, 2025 were: CW-21 (3.0 gpm), CW-22 (1.5 gpm), and CW-23 (0.5 gpm).

DISCLAIMER: Verdantas LLC has furnished this map to the Client for its sole and exclusive use as a preliminary planning and screening tool. This map is reproduced from geospatial information compiled from third-party sources which may change over time and are not accurate as to mapping, surveying or engineering standards. Verdantas LLC makes no representation or warranty as to the content, accuracy, timeliness or completeness of any information. In no event will Verdantas LLC, its owners, officers, employees or agents, be liable for damages of any kind arising out of the use of this map by Client or any other party.

GROUNDWATER SCIENCES CORPORATION
A Verdantas Company

Former York Naval Ordnance Plant
**SPBA Water Table
Contour Map
for Pumping Conditions on
September 23, 2025**

1425 Eden Road, York, Pennsylvania 17402

Project Number
GSC.0100125300
Date
05/2026
Author
jbloomer
Scale
1 in = 60 ft
Figure
6.3-2

Figure 6.3-3
SPBA Water Level Elevation Tracking - CW-21 Area Wells (Pumping Conditions)
Former York Naval Ordnance Plant

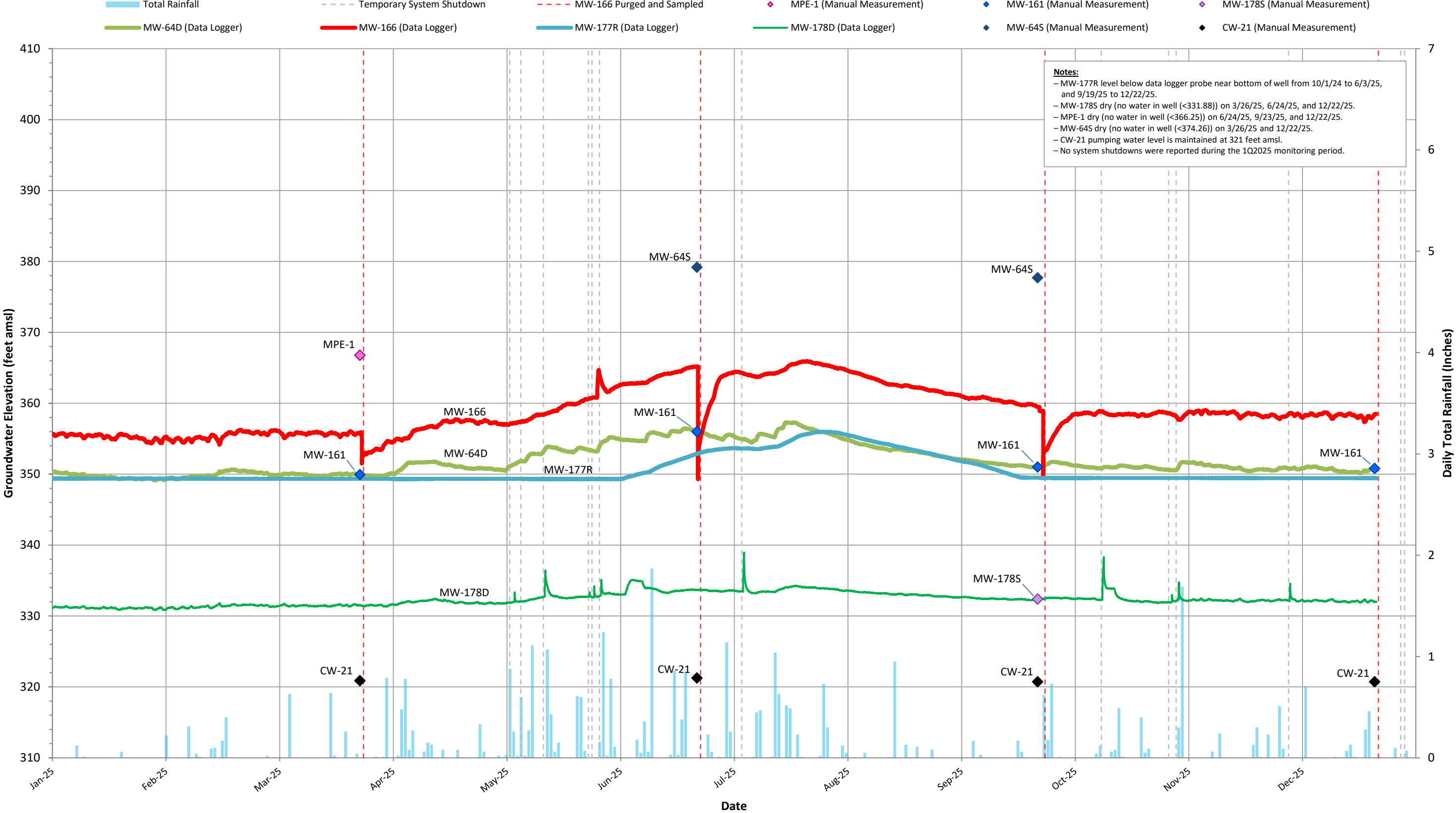


Figure 6.3-4
SPBA Water Level Elevation Tracking - CW-22 Area Wells (Pumping Conditions)
Former York Naval Ordnance Plant

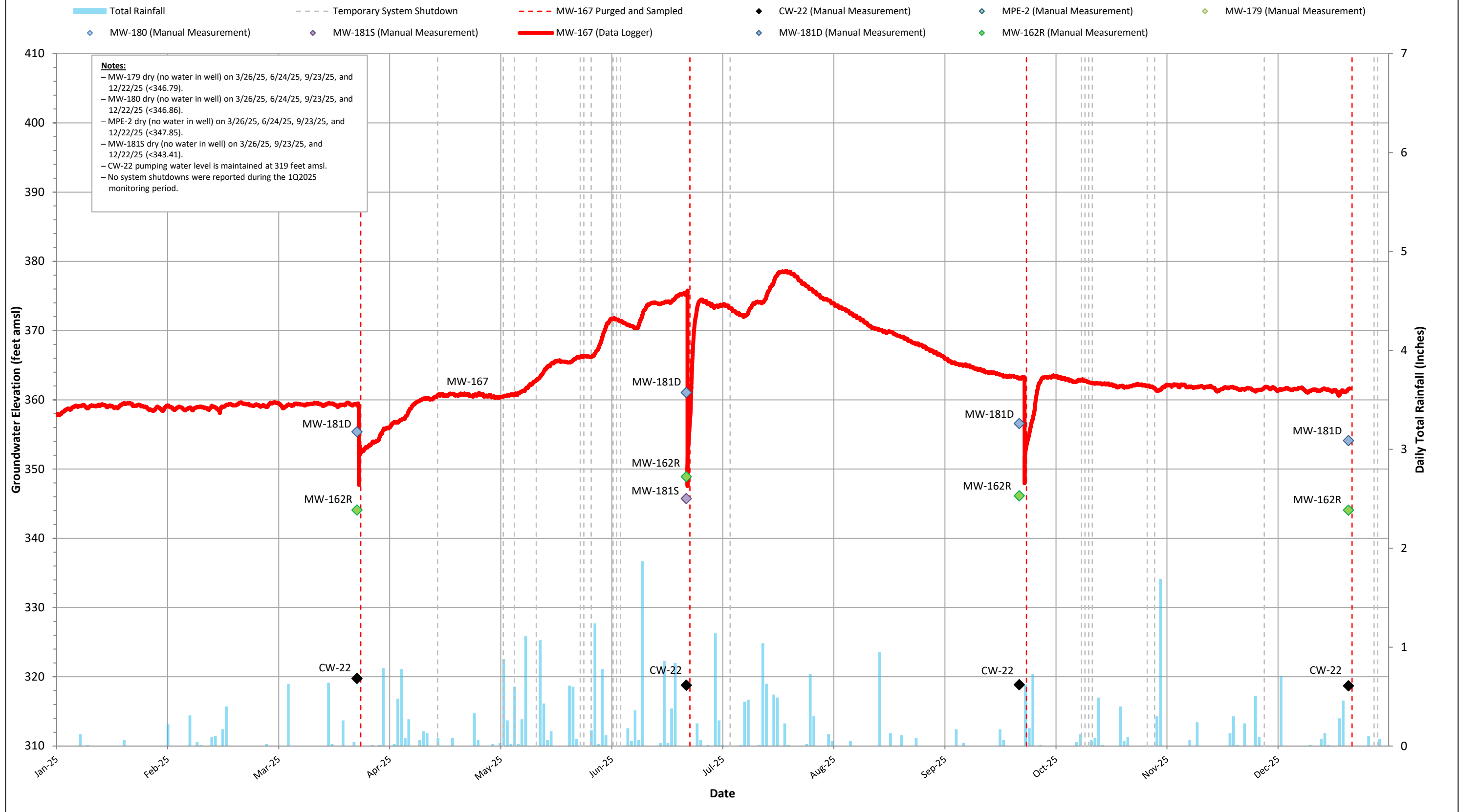


Figure 6.3-5
SPBA Water Level Elevation Tracking - CW-23 Area Wells (Pumping Conditions)
Former York Naval Ordnance Plant

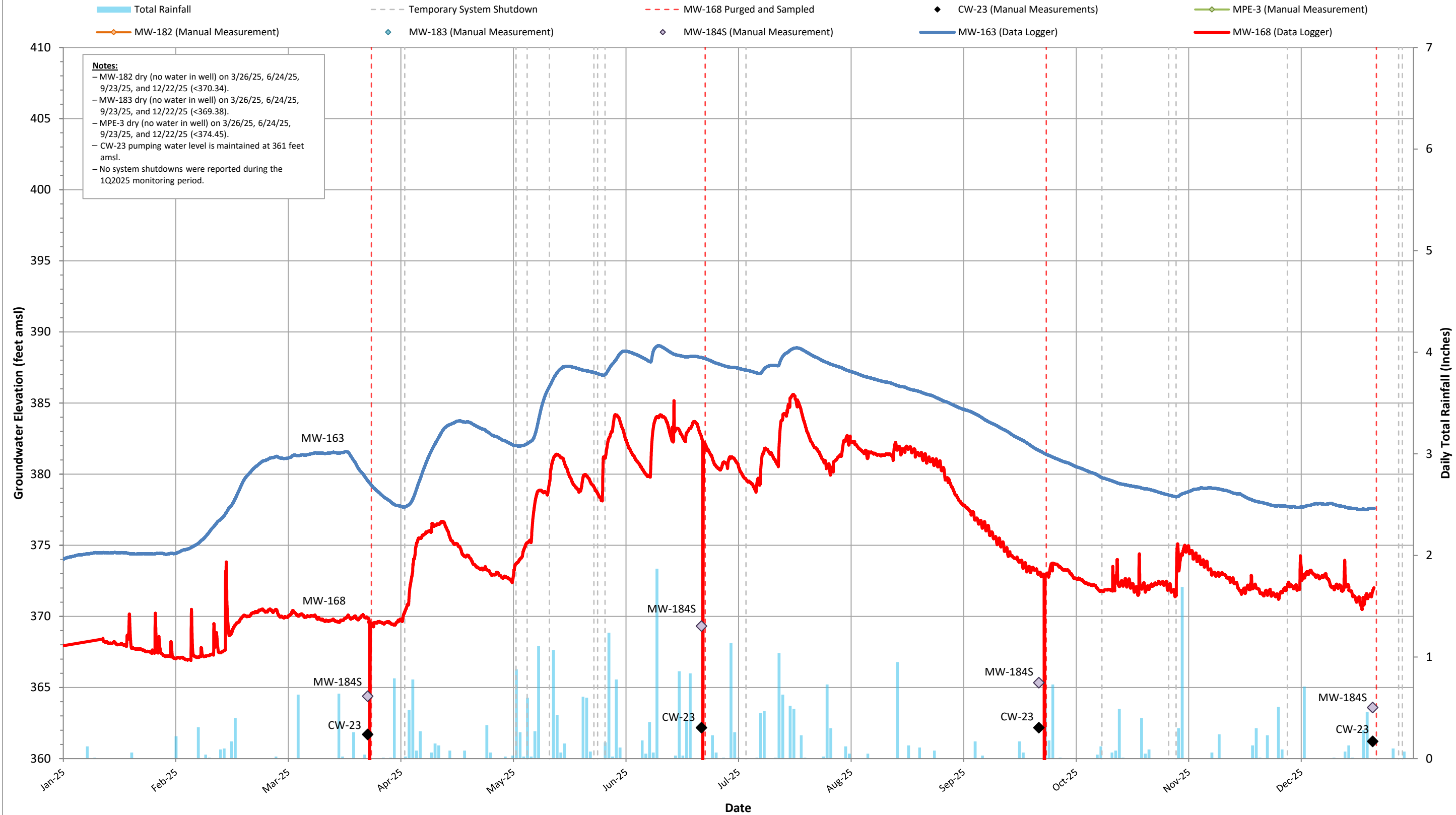


Figure 6.3-6
SPBA Groundwater Extraction System Average Daily Flow Rates for January through December 2025
Former York Naval Ordnance Plant - York, PA

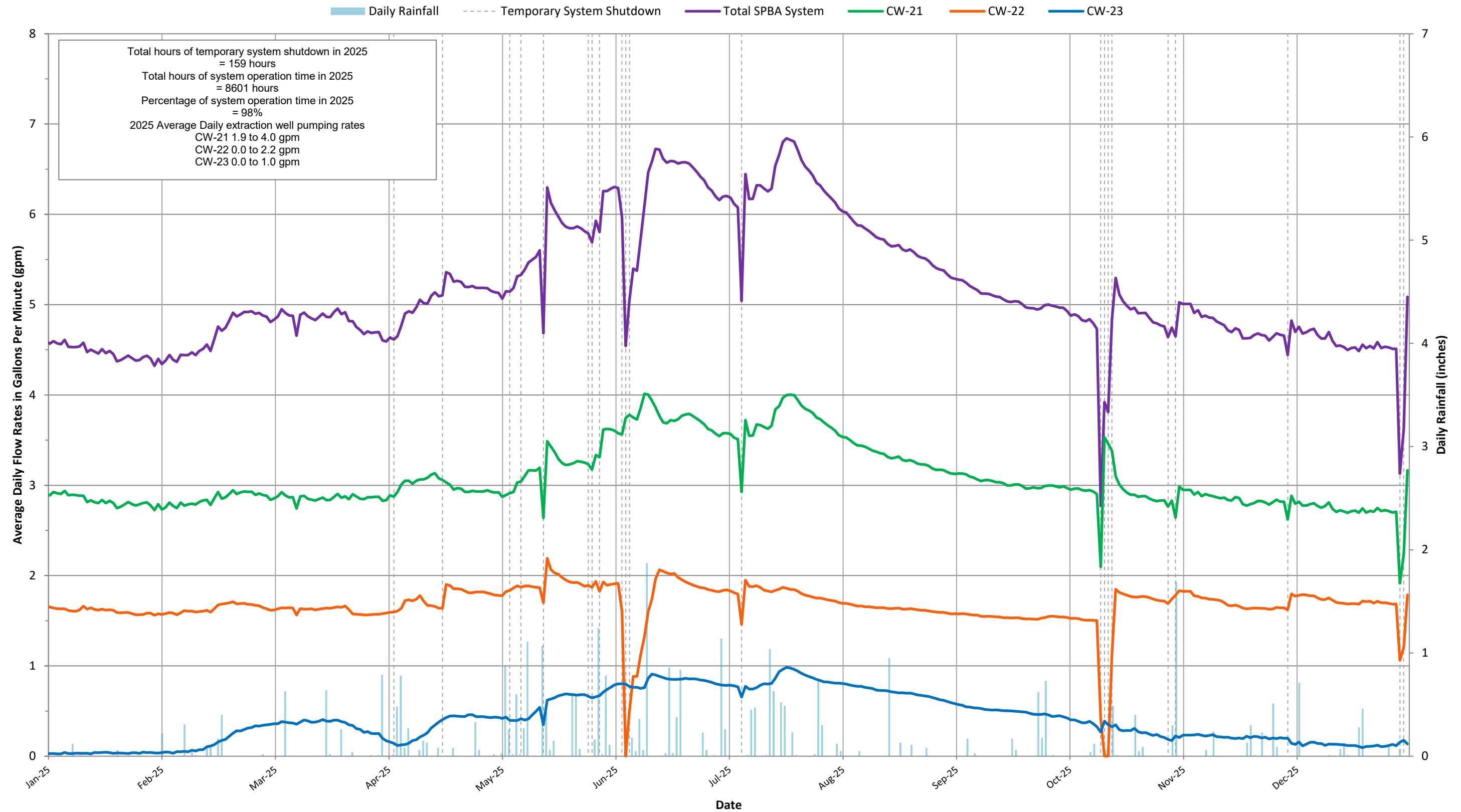
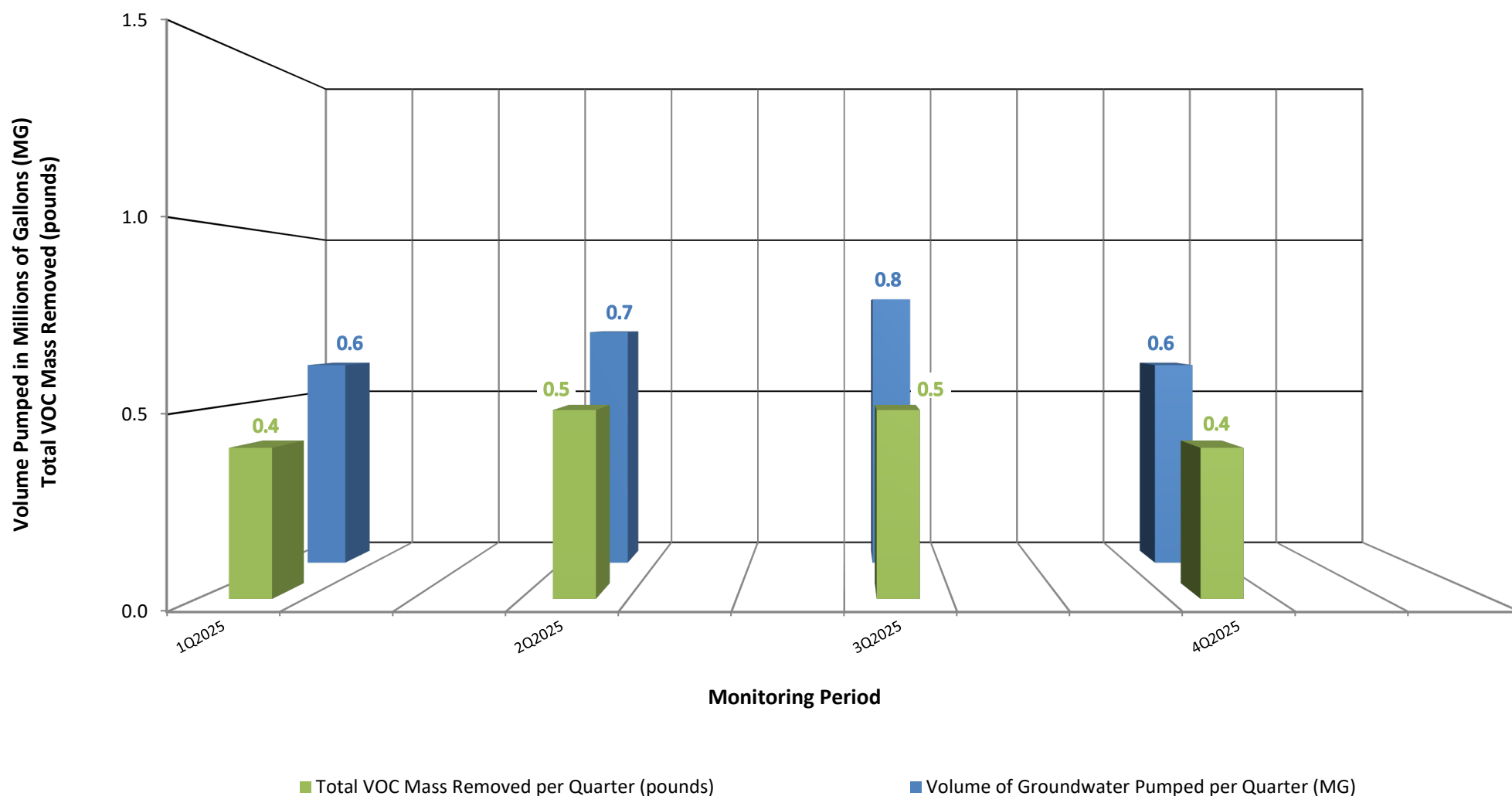
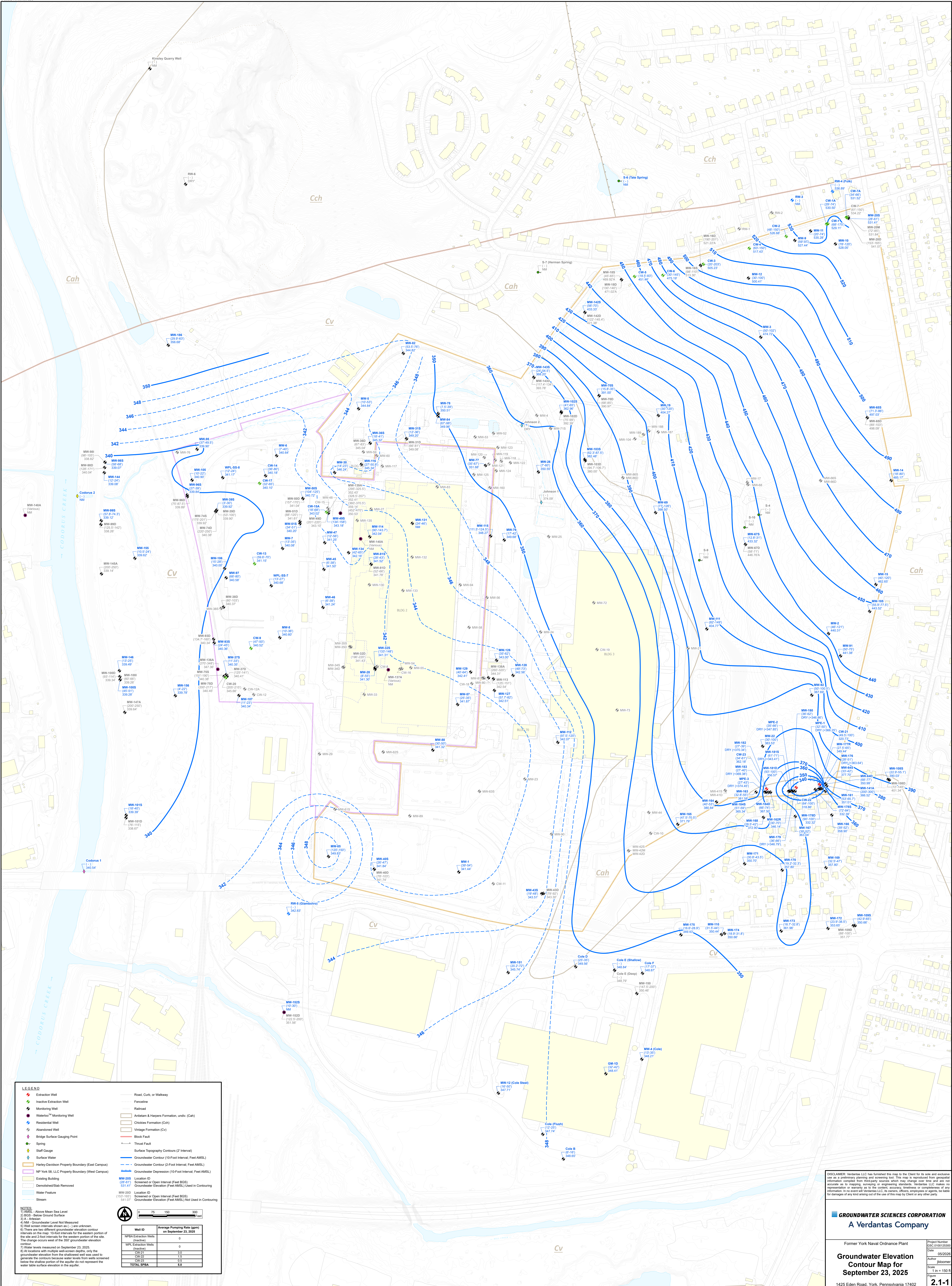
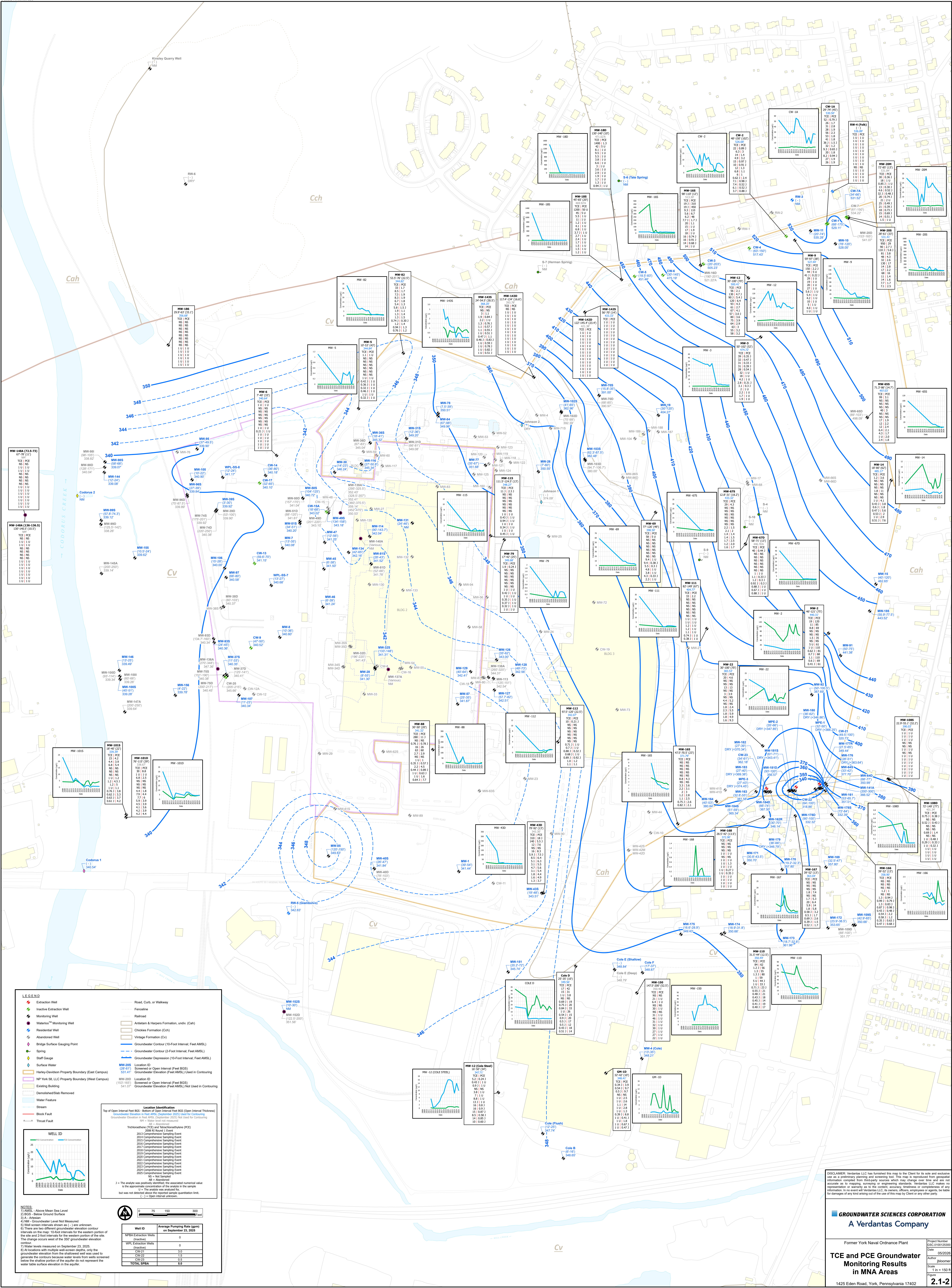


Figure 6.3-7
SPBA Remedial Action Performance Data for January through December 2025
Former York Naval Ordnance Plant - York, PA



Plates





Appendix A

Laboratory Data Quality Assessment and Validation Report*

** - in portable document format (PDF) on the fYNOP public website at
<https://yorksiteremedy.com>*

Appendix B

Groundwater and Surface Water Sampling Documentation*

** - in portable document format (PDF) on the fYNOP public website at
<https://yorksiteremedy.com>*

Appendix C

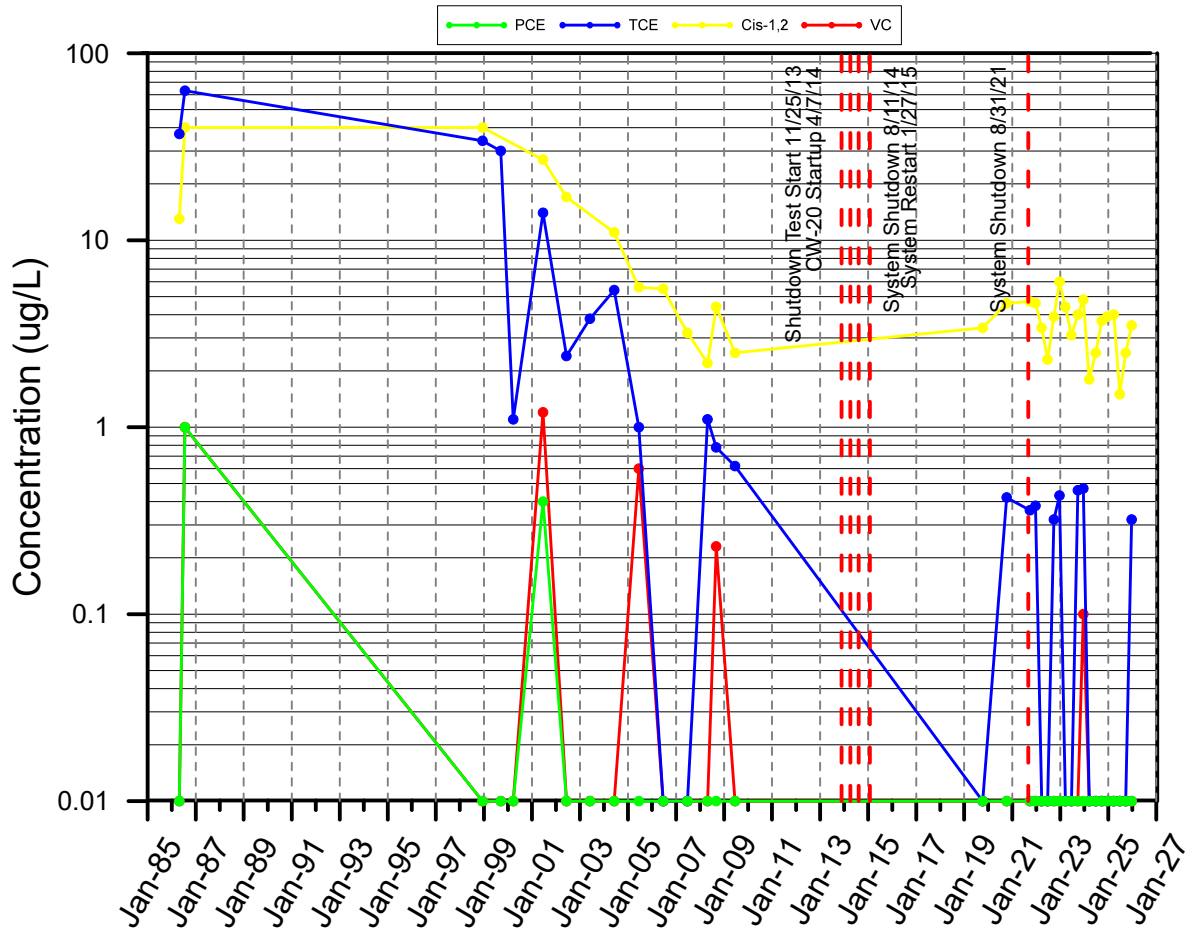
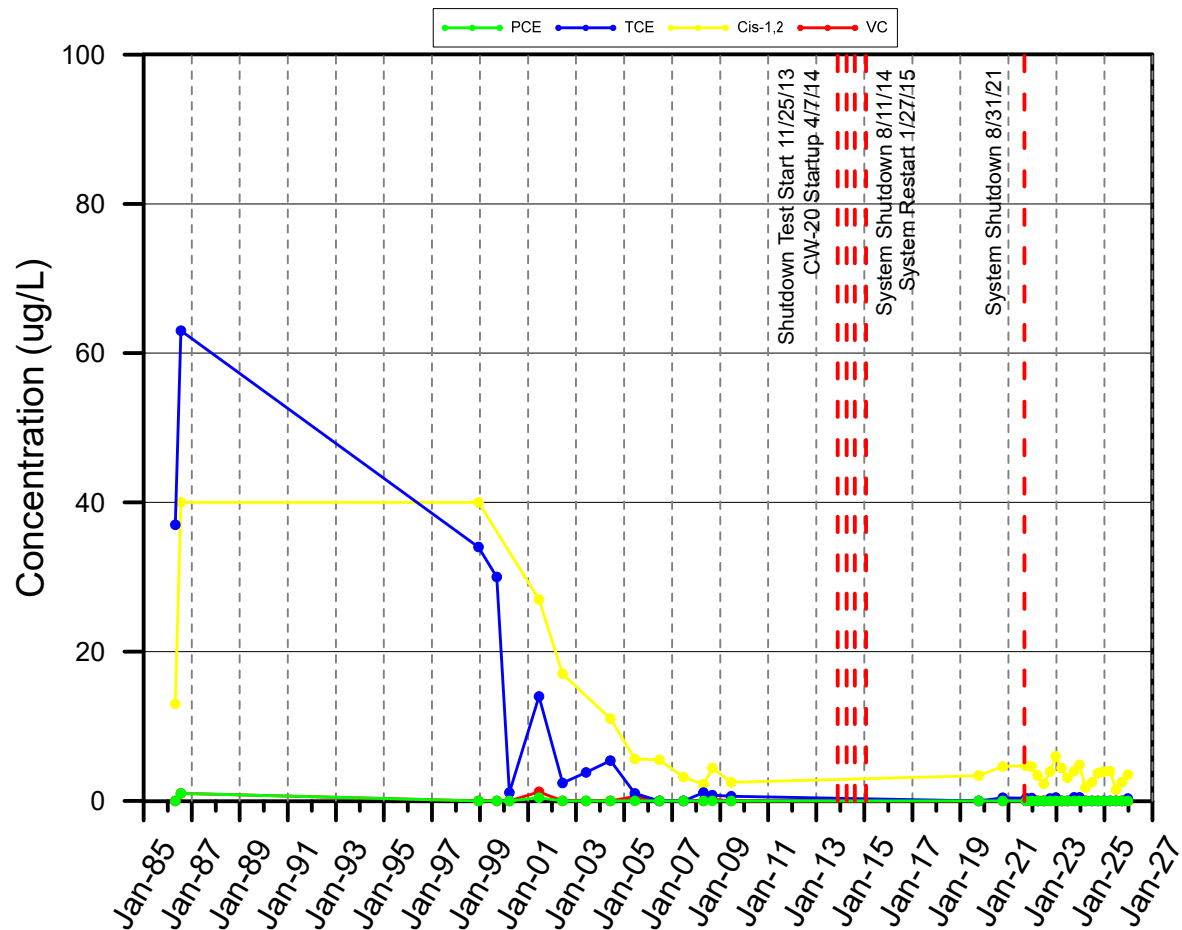
Laboratory Analytical Reports*

** - in portable document format (PDF) on the fYNOP public website at
<https://yorksiteremedy.com>*

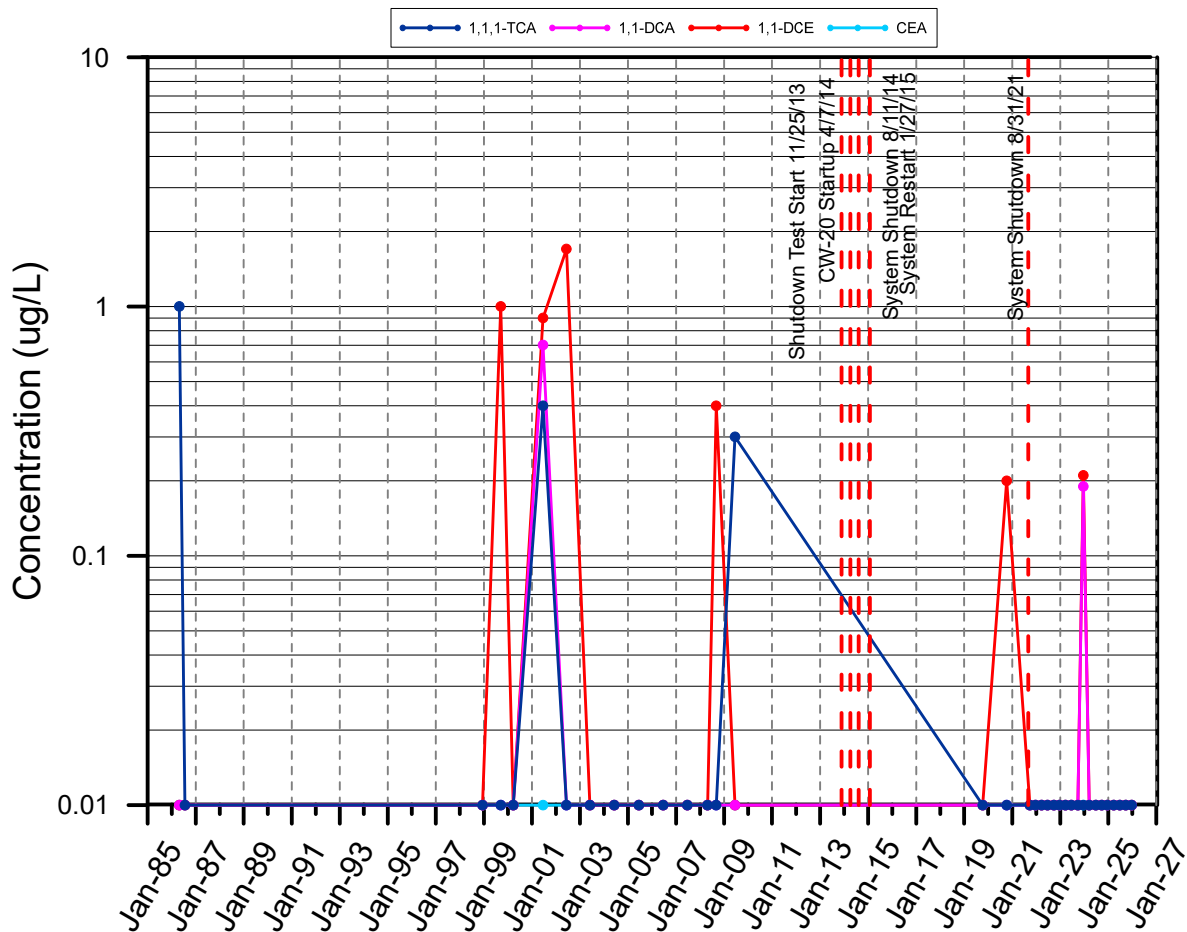
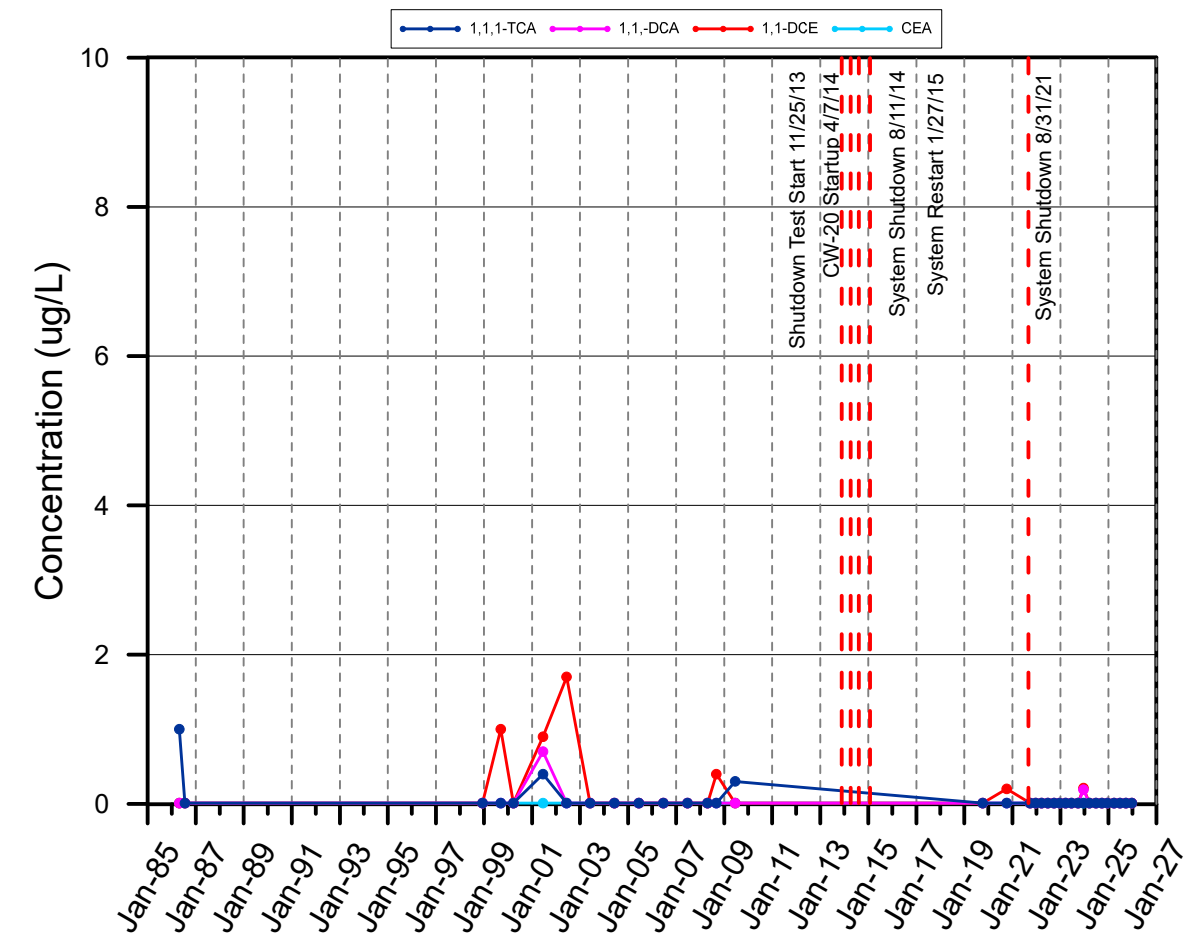
Appendix D

Chemistry Graphs for Wells Outside the TI Area 1 Boundary

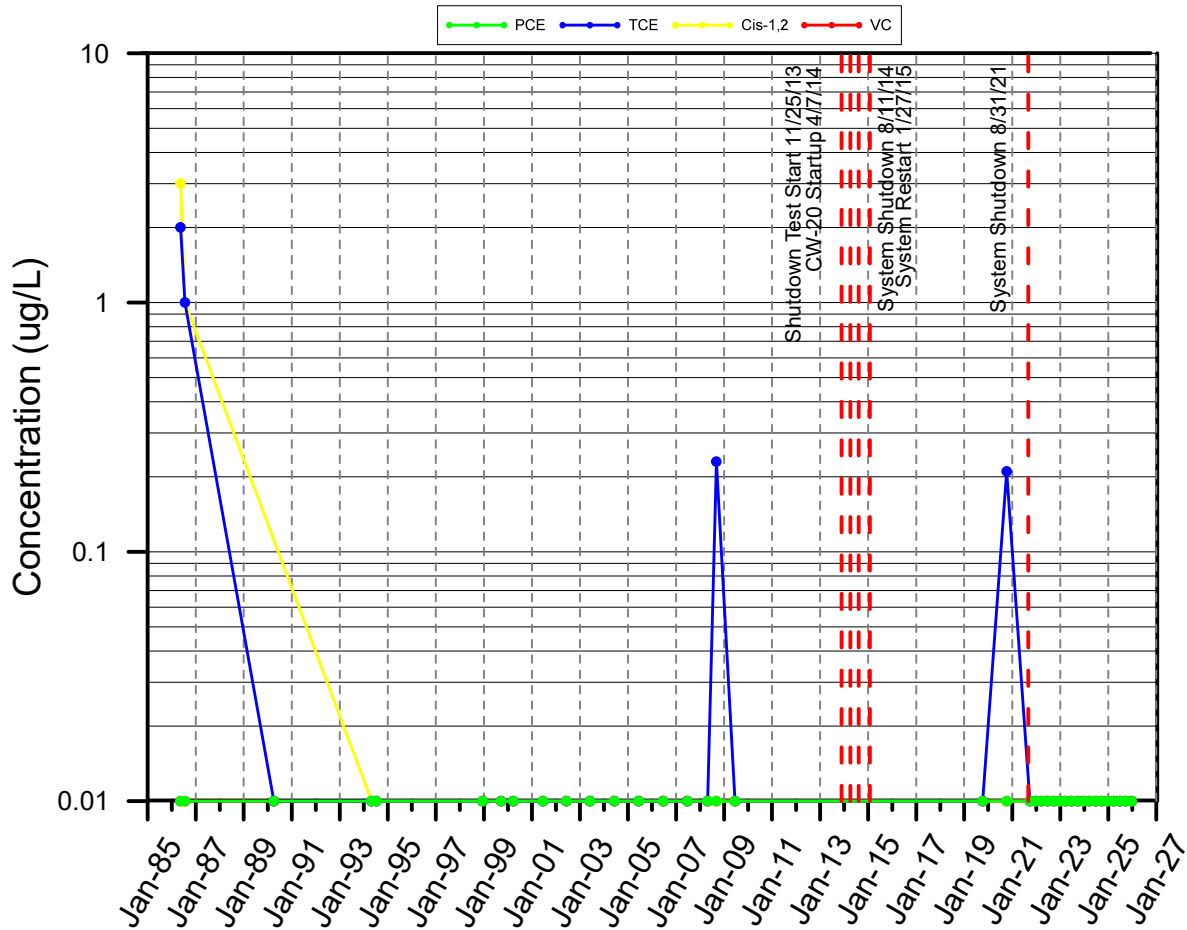
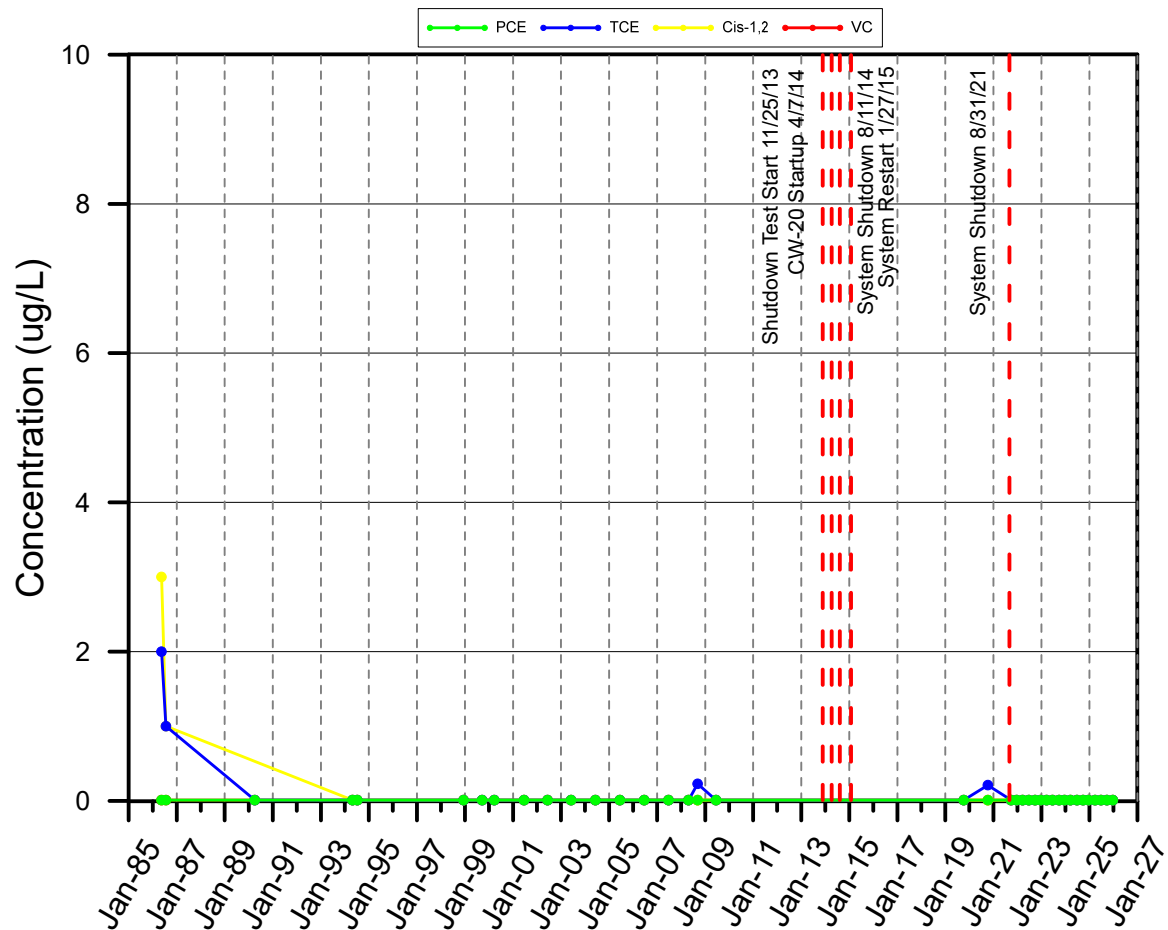
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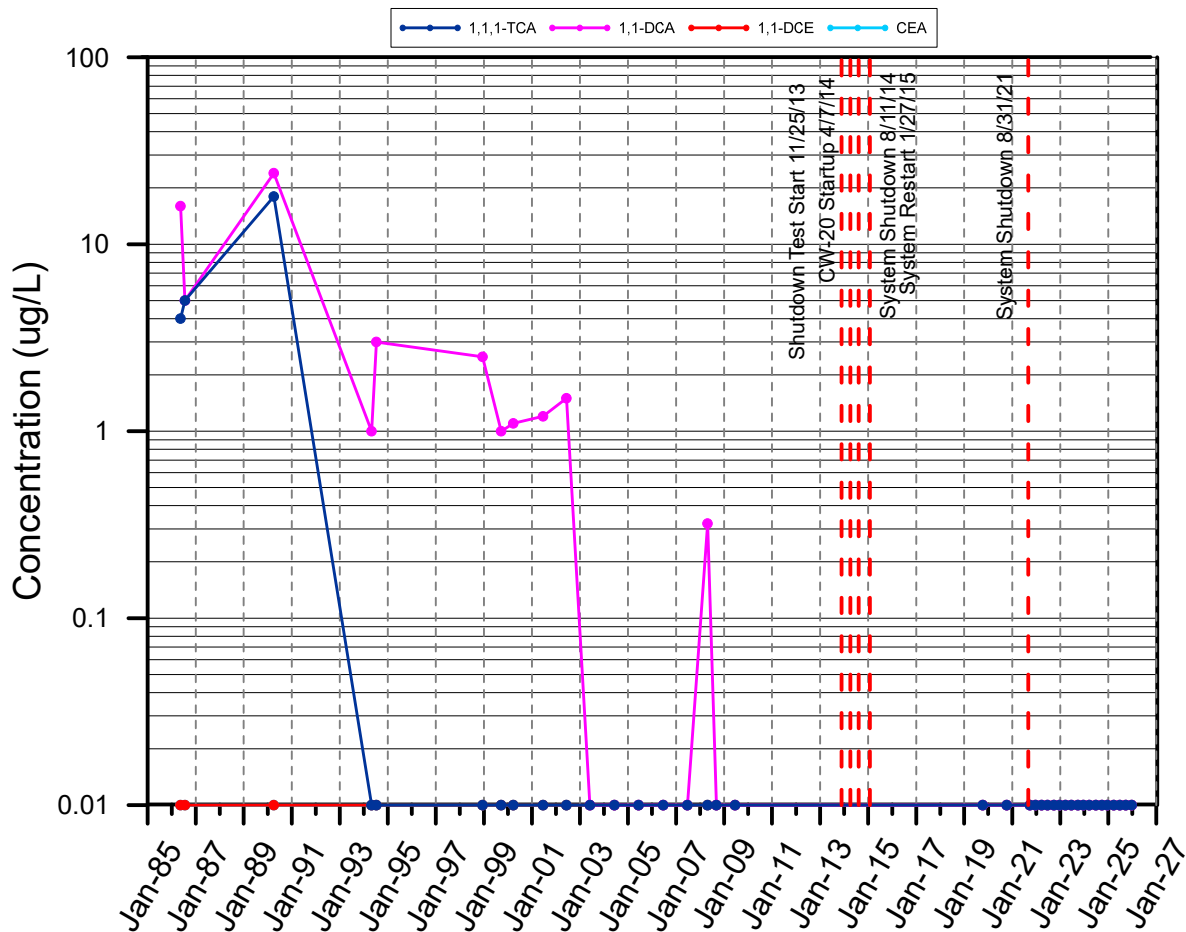
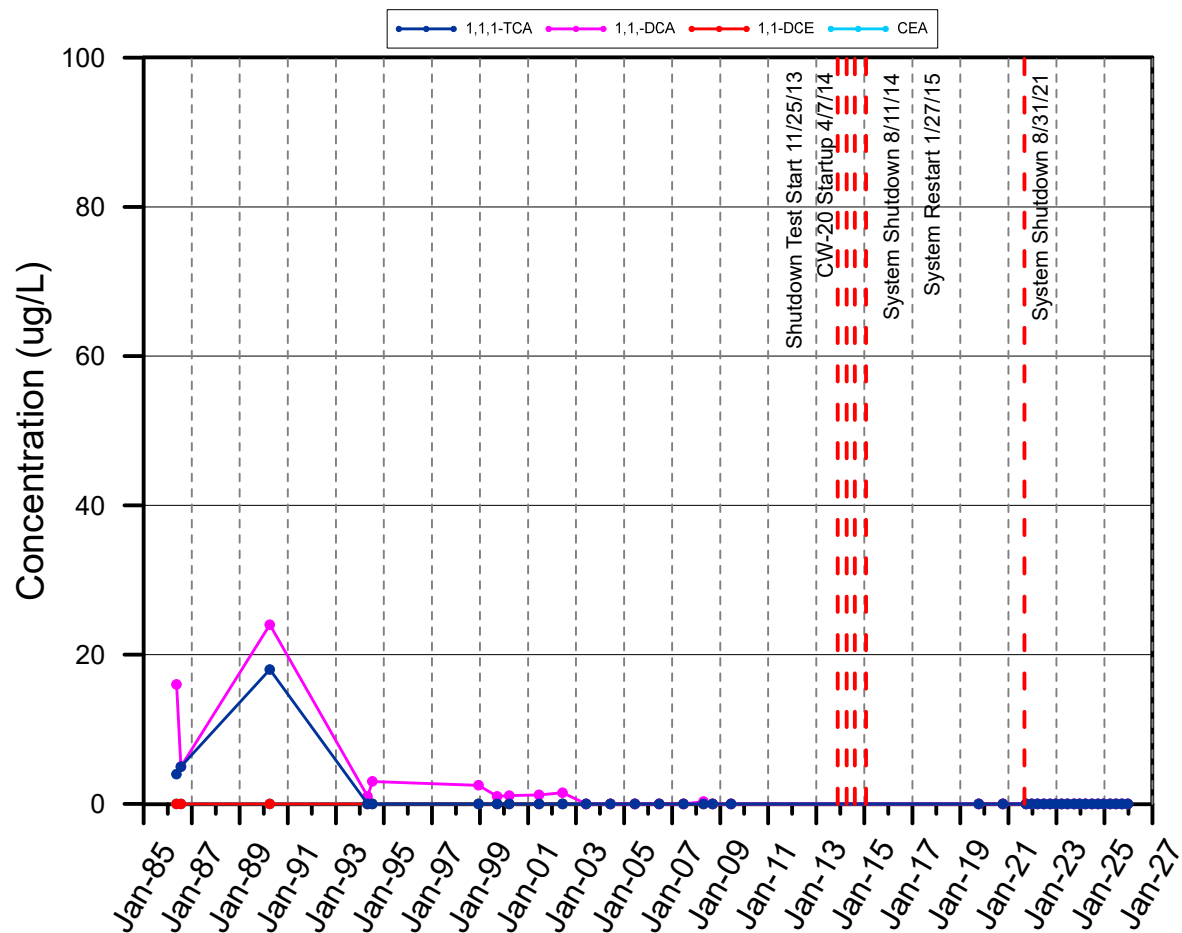
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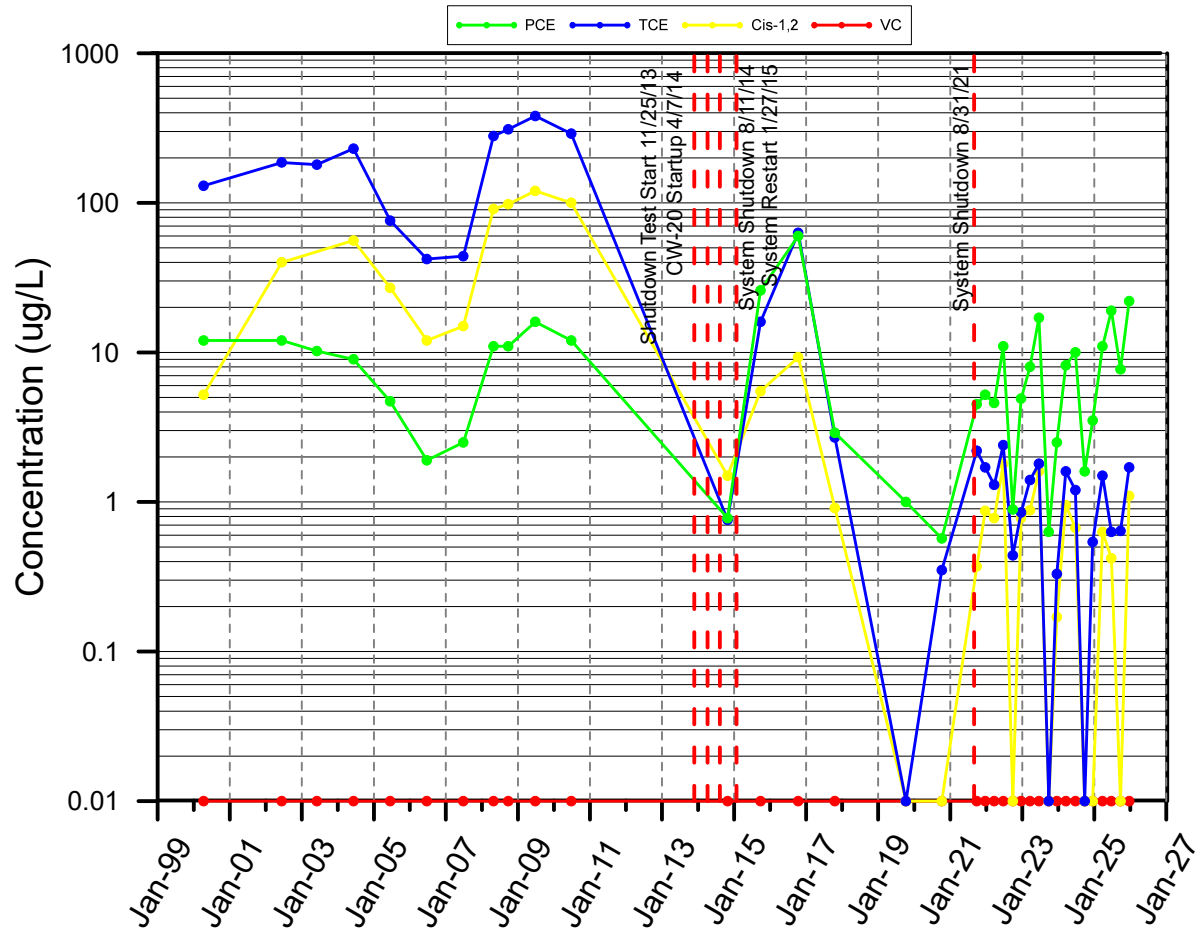
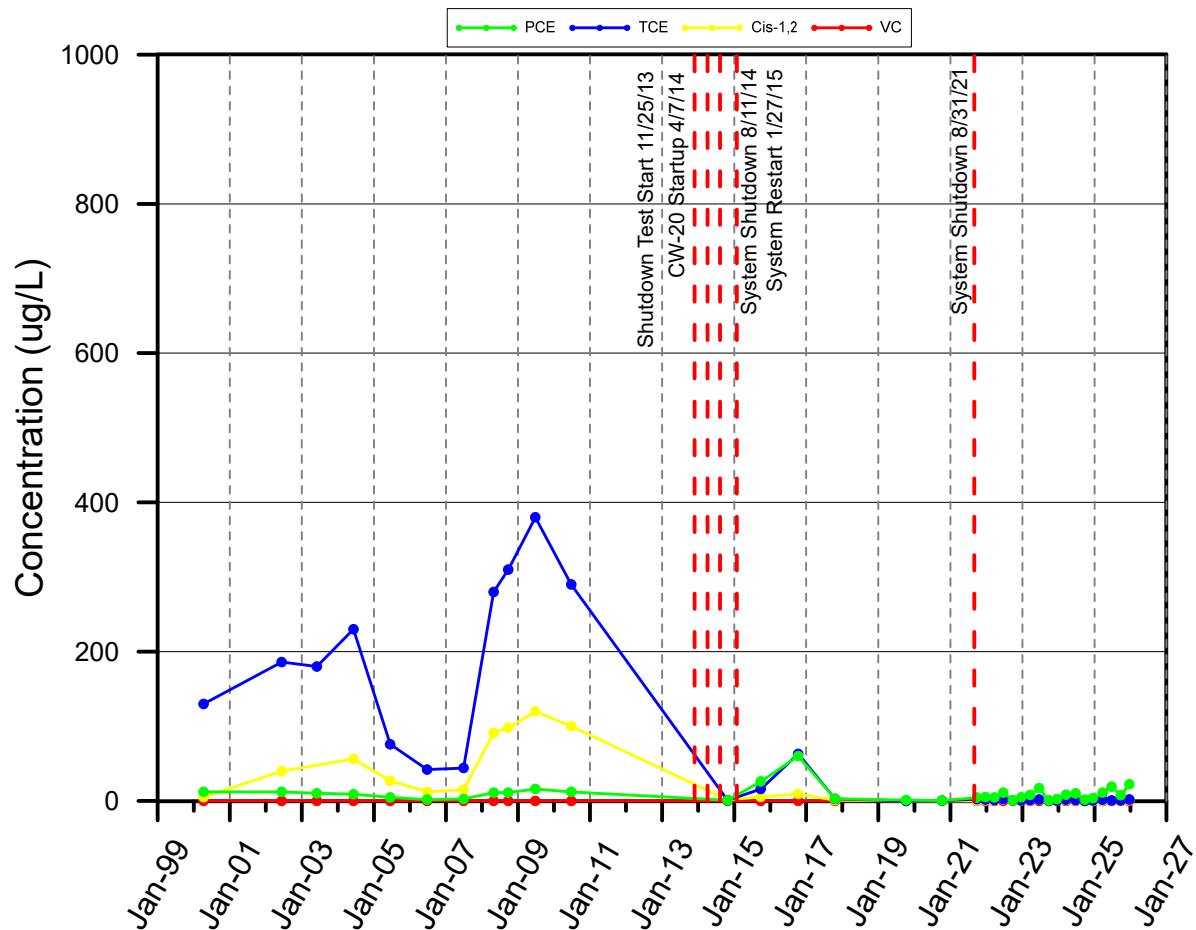
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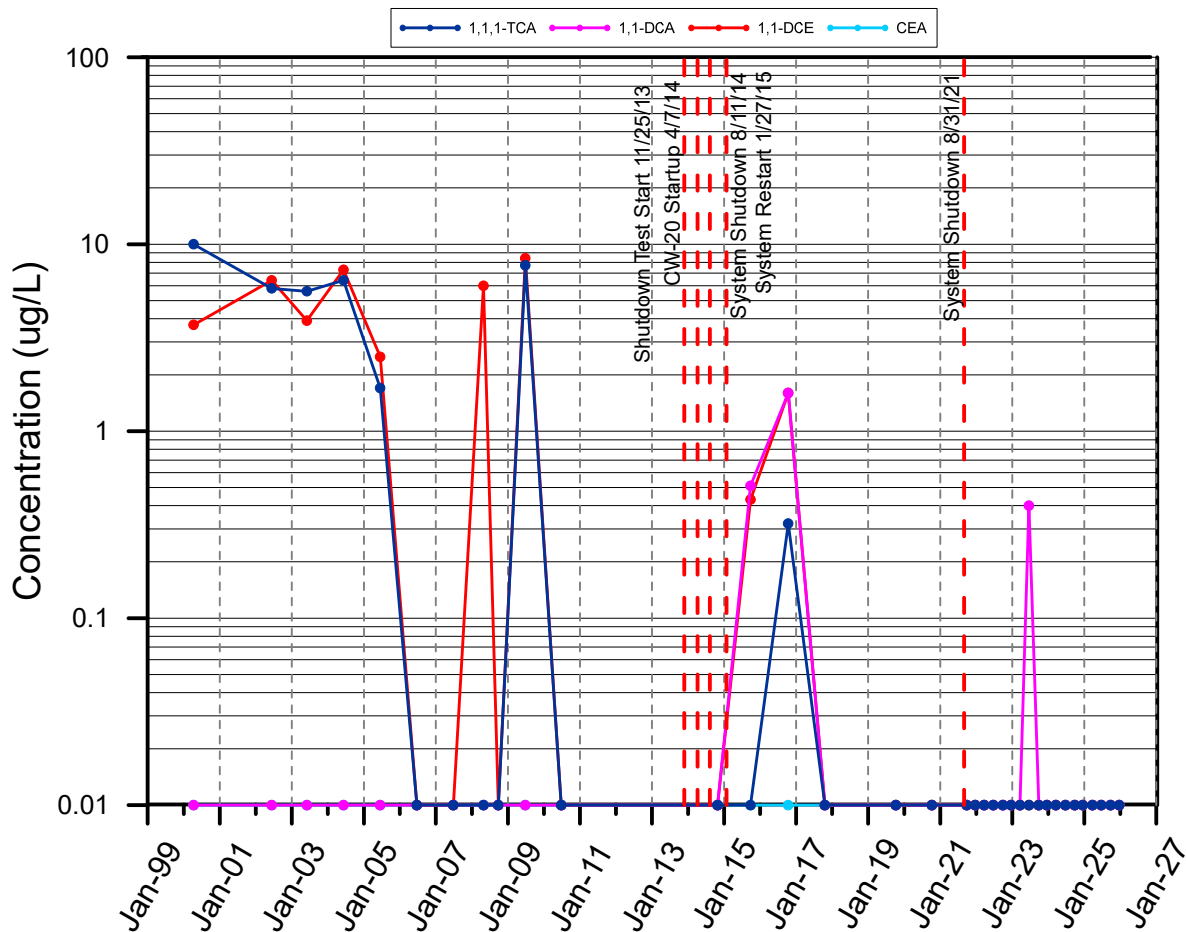
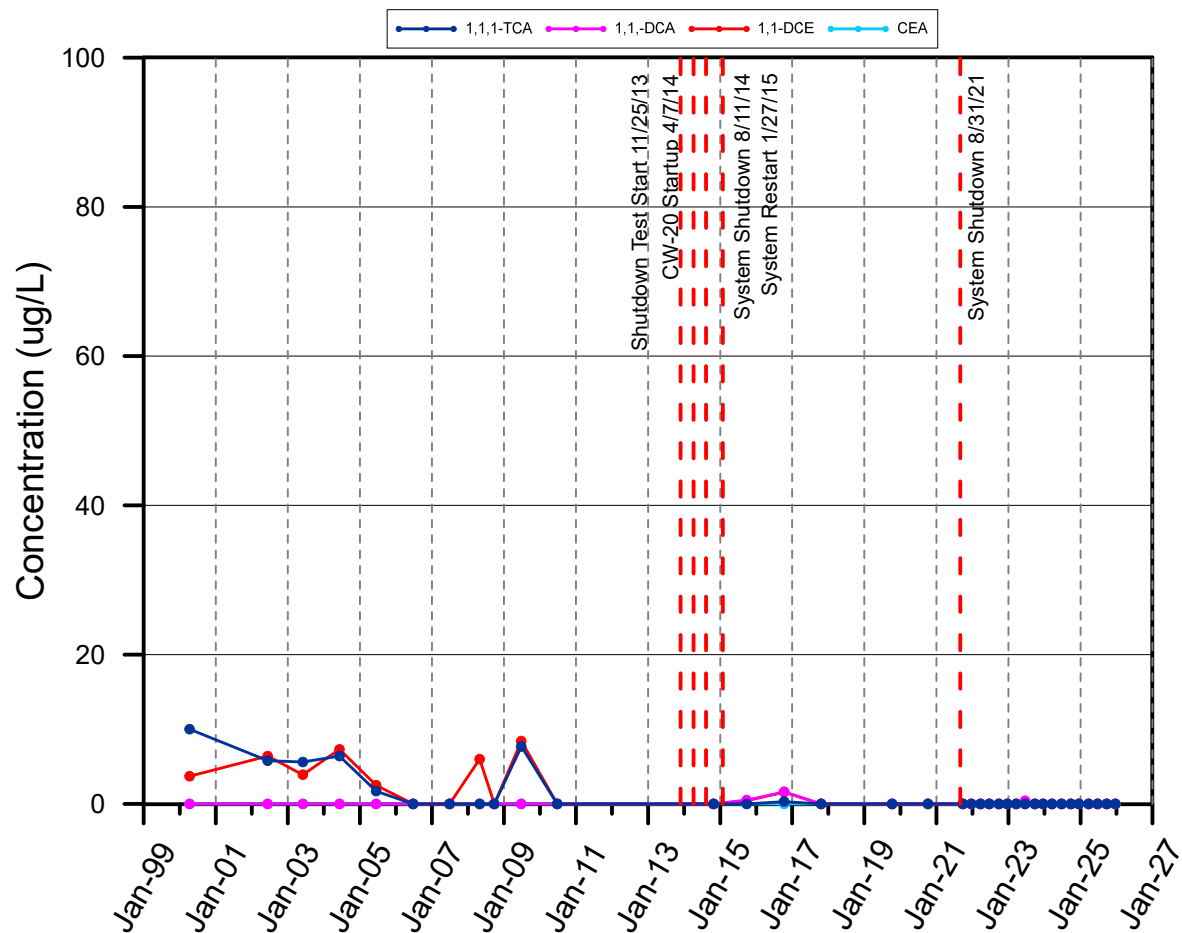
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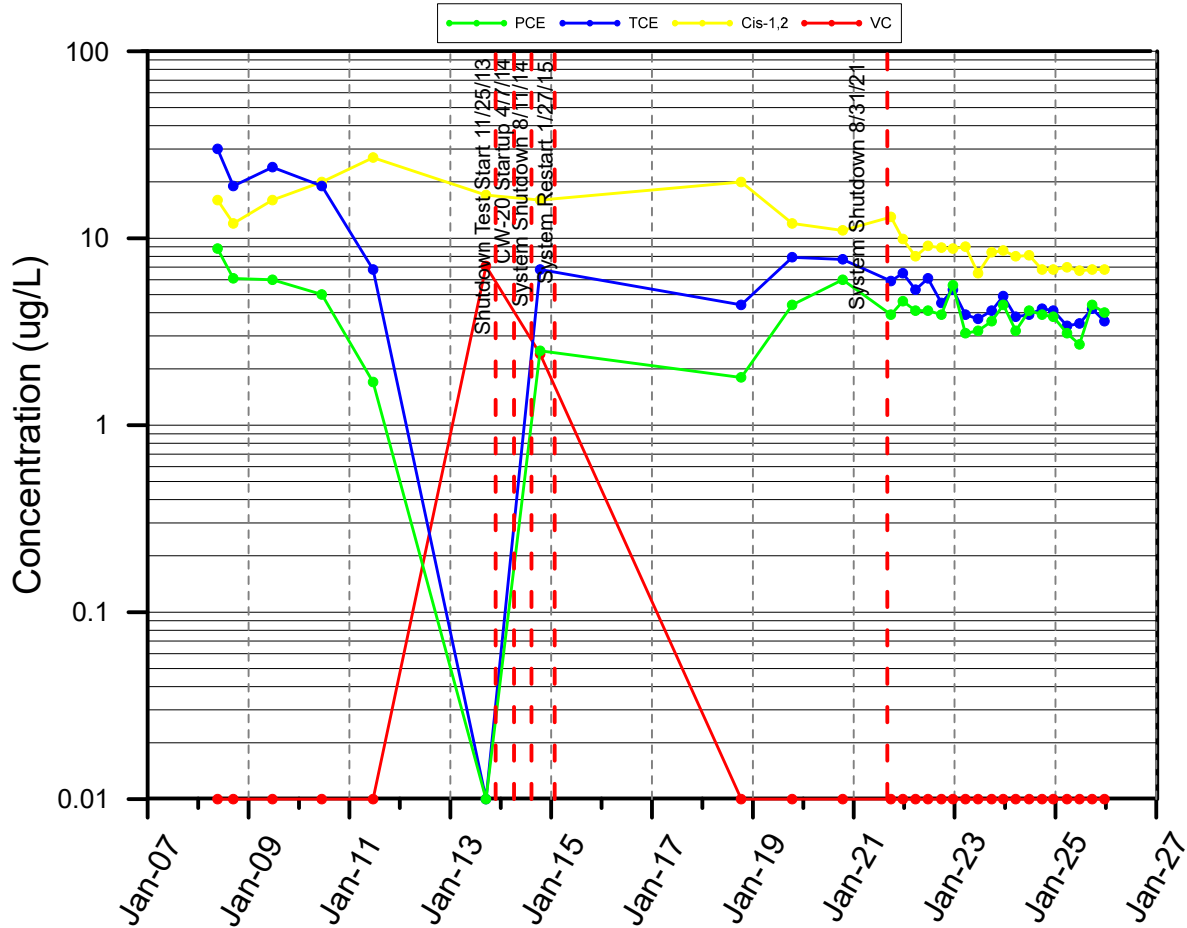
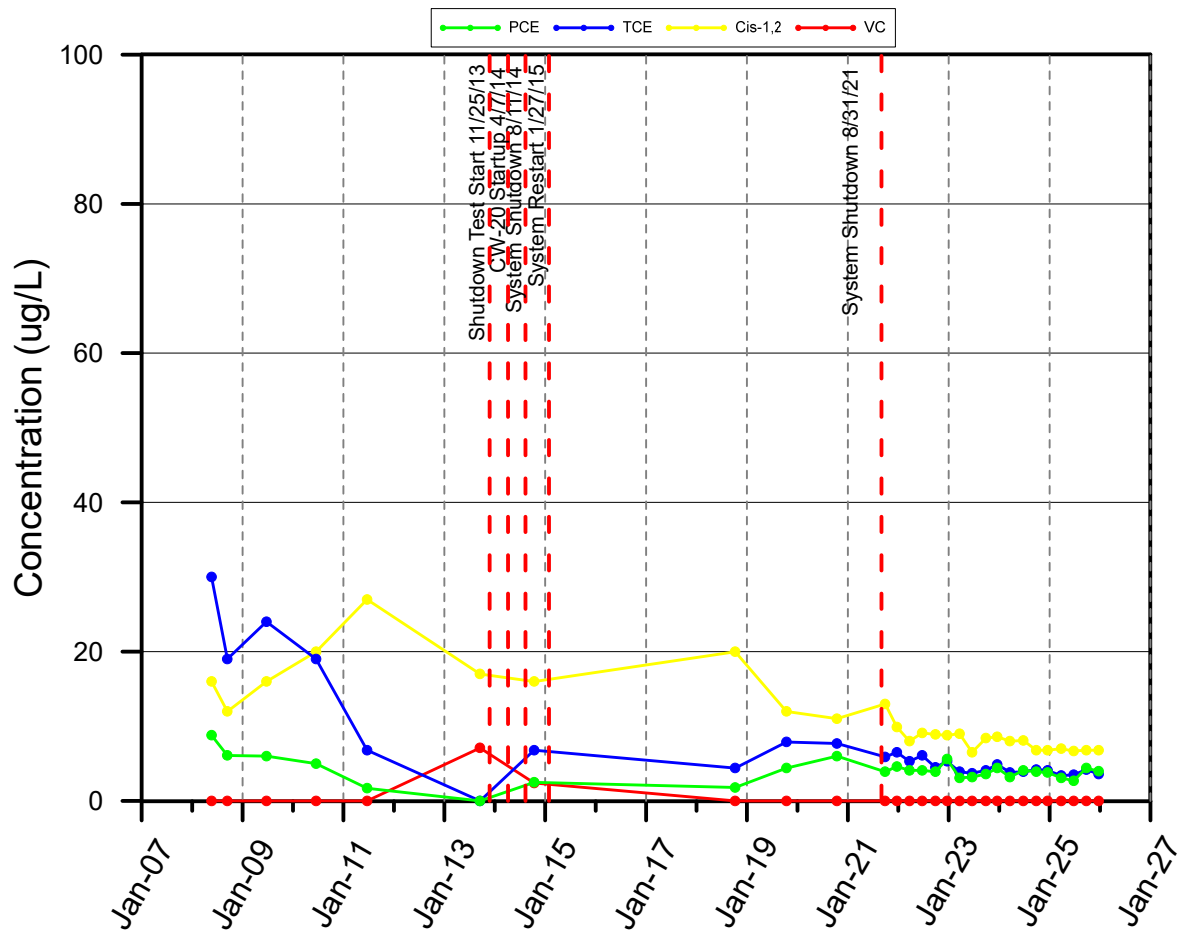
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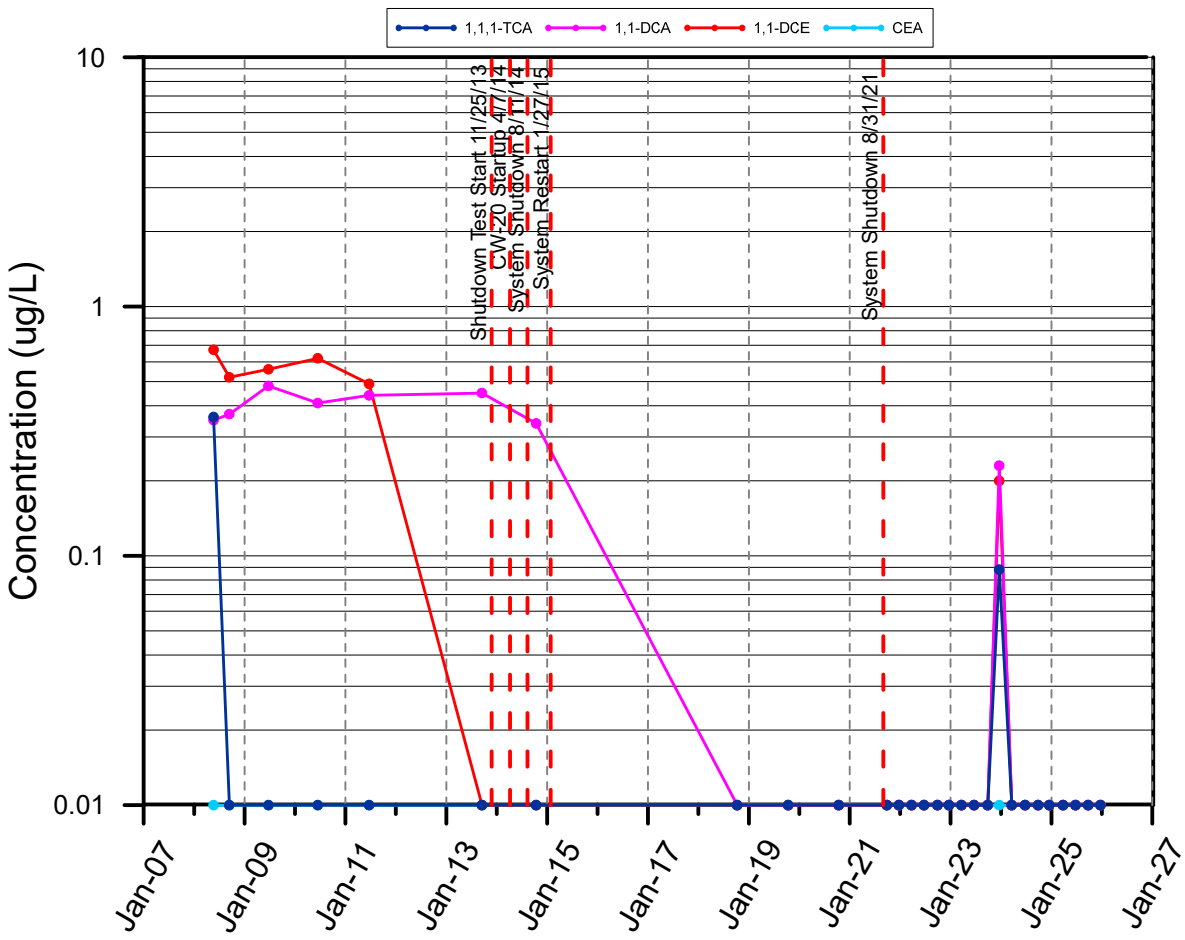
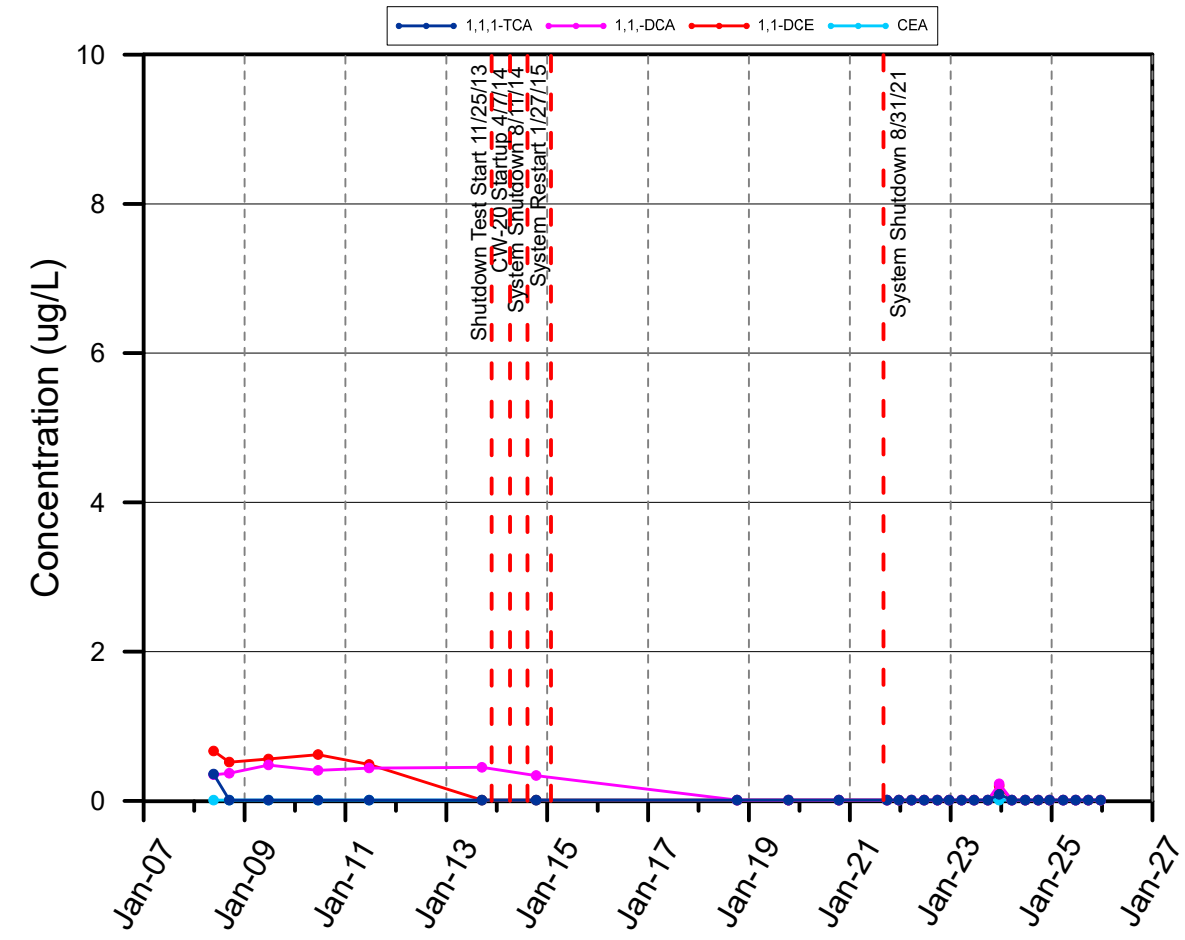
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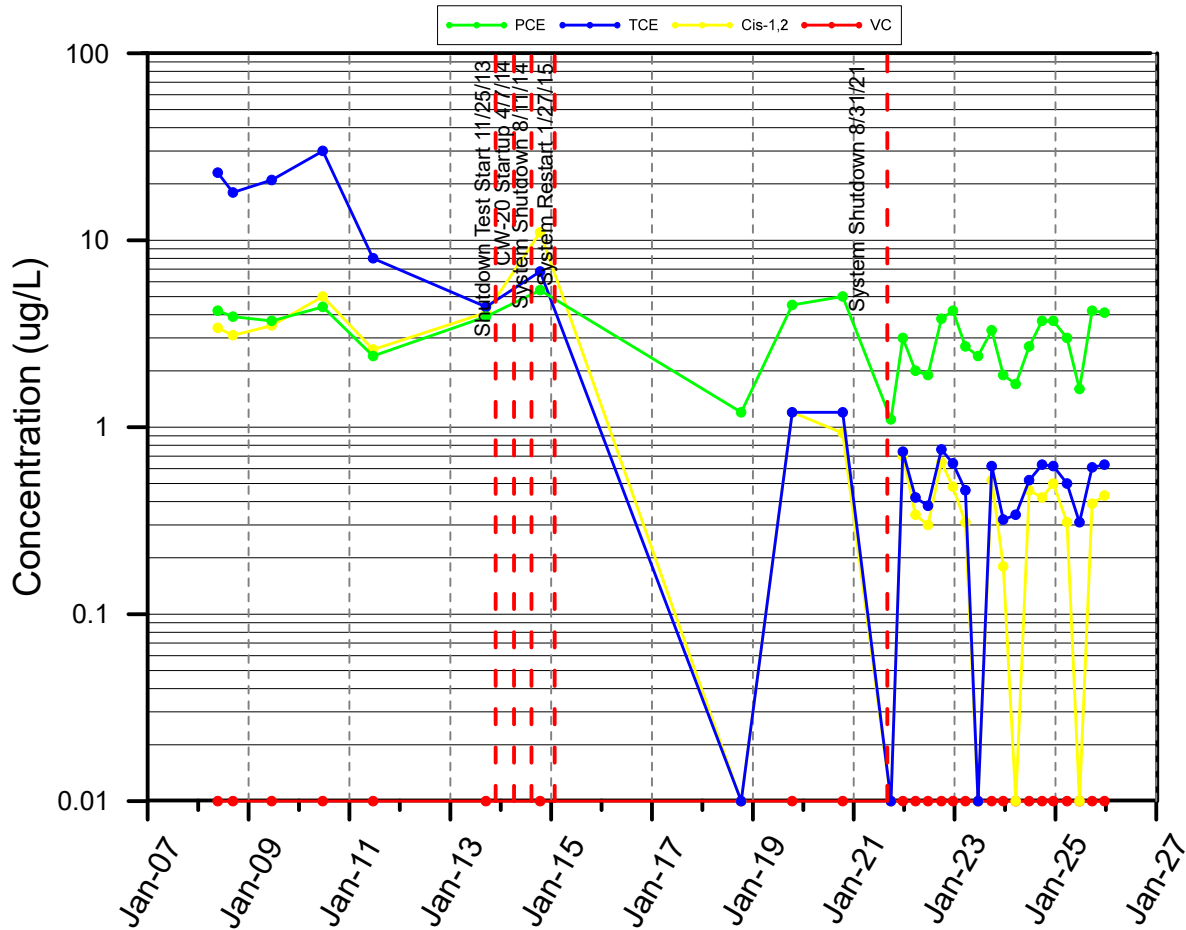
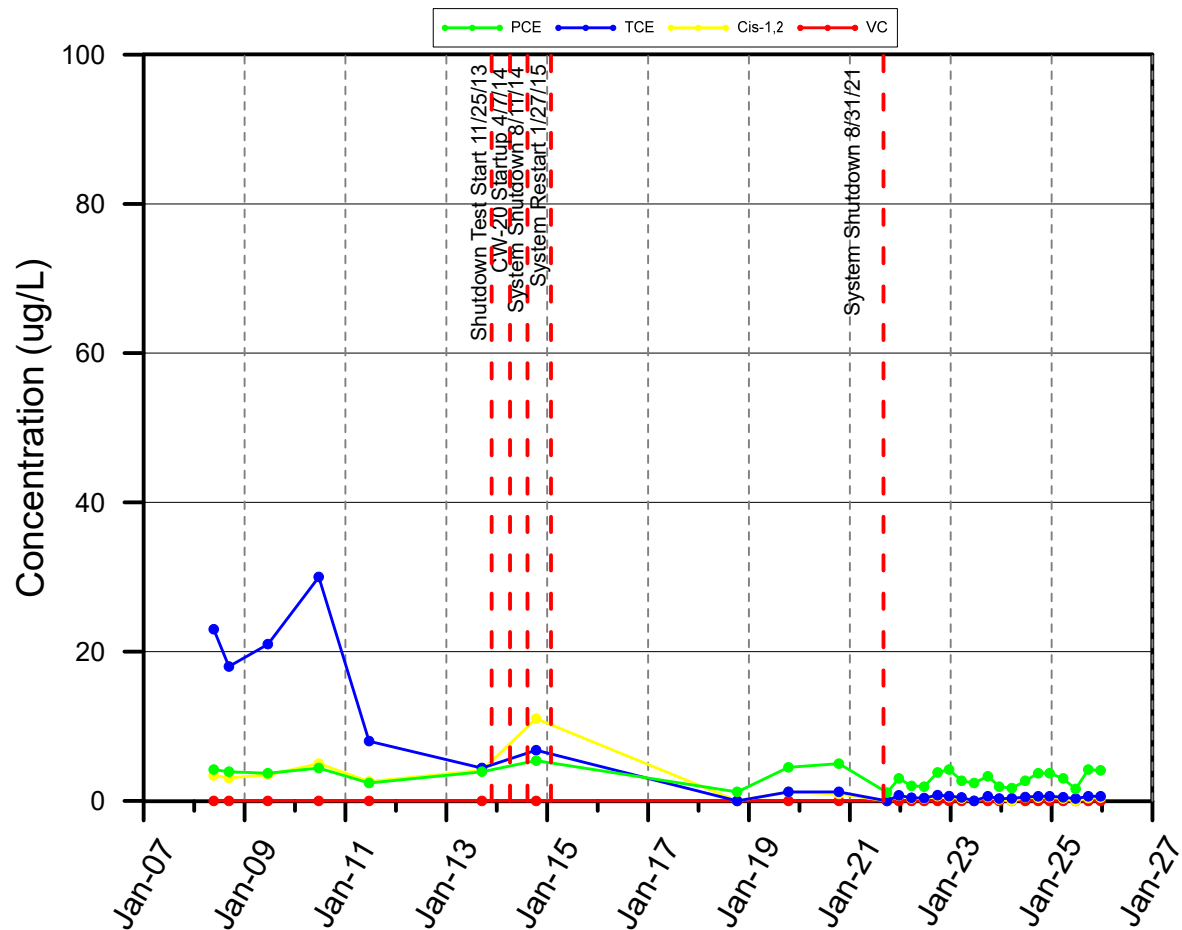
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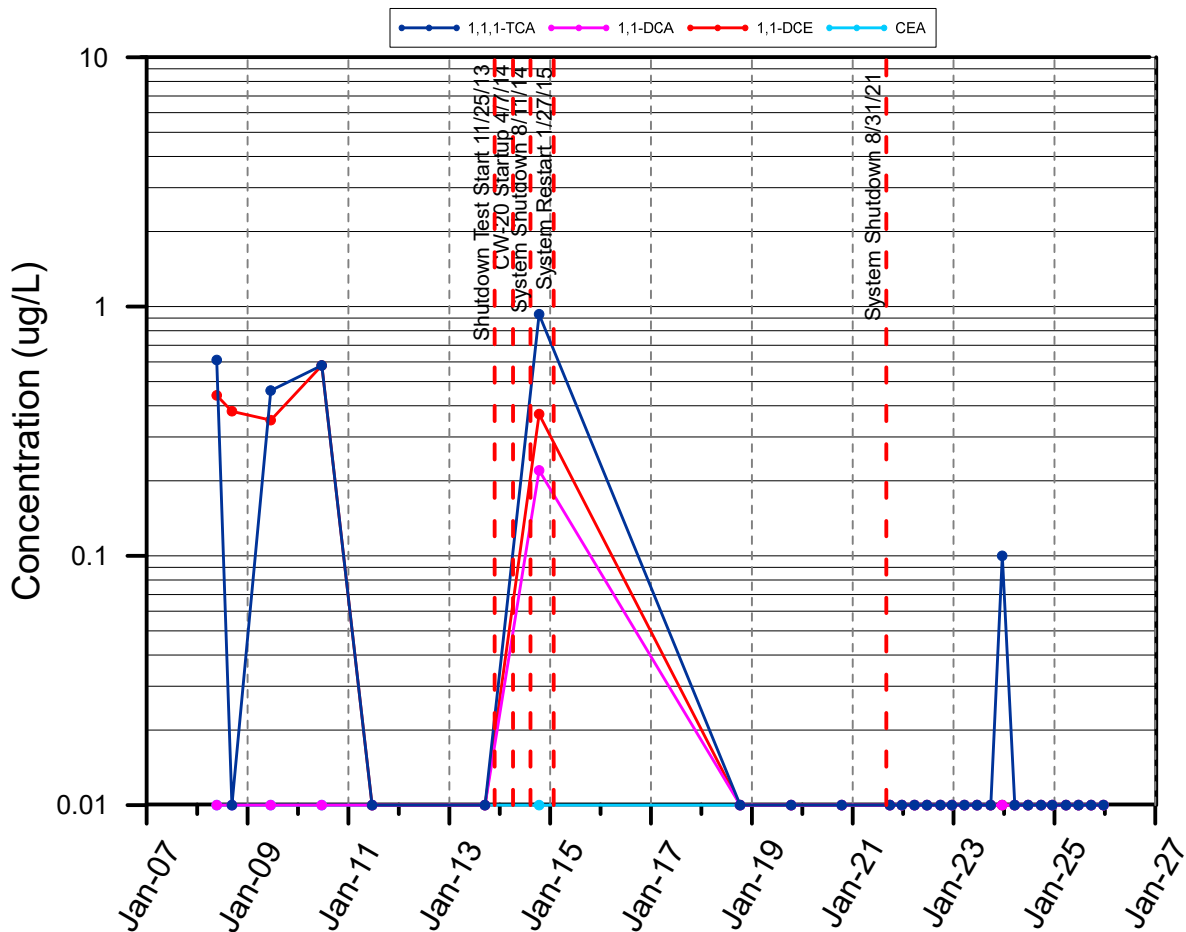
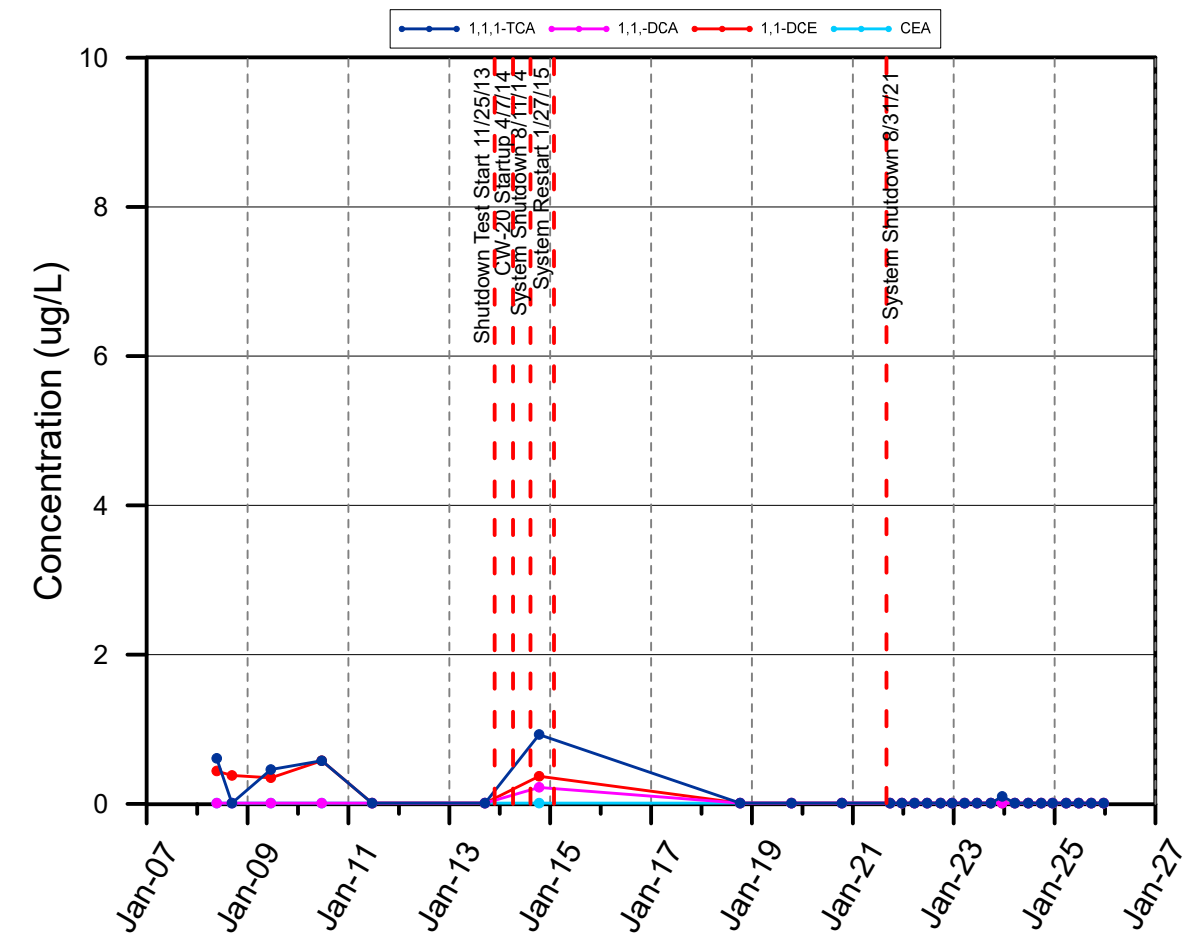
MW-101D



MW-101S



MW-101S



Appendix E

Statistical Trend Analysis Graphs and Outputs*

Note: Statistically significant trends were determined using the Theil-Sen method (red line on graphs). The OLS regression method was not used for the trend analysis (dark blue line on graphs).

** - in portable document format (PDF) on the fYNOP public website at <https://yorksiteremediy.com>*

Appendix F

Documentation for Annual PRCP Monitoring and Maintenance Activities

* - in portable document format (PDF) on the fYNOP public website at
<https://yorksiteremedy.com>

Appendix G

Groundwater Extraction and Treatment System Annual Operations Report for the Period of January 1 through December 31, 2025*

* - in portable document format (PDF) on the fYNOP public website at
<https://yorksiteremediation.com>

Appendix H

SPBA Groundwater Extraction Pumping Data*

** - in portable document format (PDF) on the fYNOP public website at
<https://yorksiteremedy.com>*

Appendix I

Notifications for Potential Utility Worker Exposure to Shallow Impacted Groundwater



June 30, 2025

Kinsley Properties
6259 Reynolds Mill Road
Seven Valleys, Pennsylvania 17360
Attn: Drew Kipnis

Re: Annual Excavation Activity Notification
Former York Naval Ordnance Plant
1425 Eden Road, York, Pennsylvania

Dear Drew:

In accordance with the approved Pennsylvania Land Recycling and Environmental Standards Act (a.k.a., Act 2) Final Report, including its Post Remediation Care Plan (PRCP) for the former York Naval Ordnance Plant (fYNOP), this notice confirms the fYNOP Remediation Team's (Harley-Davidson Motor Company Operations, Inc. and the U.S. Government (represented by the U.S. Army Corps of Engineers)) commitment to specified off-site property owners regarding potential exposures from shallow groundwater due to utility worker excavation activity. The Act 2 Final Report and PRCP was approved by the Pennsylvania Department of Environmental Protection (PADEP) and the United States Environmental Protection Agency (USEPA) on January 31, 2024.

According to the project groundwater risk assessment, potential risks were identified only for utility workers where groundwater is within 15 feet of the ground surface on your property located at **1201 Eden Road (Parcel 46-000-JI-0034.E0-00000 (K/G Whiteford Ltd. Partnership))**. These results suggest the need for reasonable caution in planning and conducting intrusive activities in these areas, such as utility installations or new building construction.

The approved PRCP specifies that you contact the fYNOP Remediation Team if intrusive underground utility work is anticipated on the property. When notified, the fYNOP Remediation Team will evaluate current environmental conditions and provide notice to the landowner regarding the need for measures to protect human health and the environment during the utility work.

If you have any questions on the information presented herein, please contact me at 267-249-0417 or rgolia@amoed.com.

Respectfully submitted,

fYNOP Remediation Team

Ralph Golia
Project Coordinator

cc: Timothy Scripko (Harley-Davidson Motor Company Operations, Inc.)
Hamid Rafiee (U.S. Army Corps of Engineers)

James Rea (PA Department of Environmental Protection)
Kristin Koroncai (U.S. Environmental Protection Agency)
Mark Hodgkins (Springettsbury Township)
Zach Zimmerman (York Water Company)
David Boore (Pennsylvania- American Water Company)



June 30, 2025

Norfolk Southern Railroad Corporation
650 W Peachtree Street NW
Atlanta, Georgia 30308
Attn: Keyana Holloway

Re: Annual Excavation Activity Notification
Former York Naval Ordnance Plant
1425 Eden Road, York, Pennsylvania

Dear Keyana:

In accordance with the approved Pennsylvania Land Recycling and Environmental Standards Act (a.k.a., Act 2) Final Report, including its Post Remediation Care Plan (PRCP) for the former York Naval Ordnance Plant (fYNOP), this notice confirms the fYNOP Remediation Team's (Harley-Davidson Motor Company Operations, Inc. and the U.S. Government (represented by the U.S. Army Corps of Engineers)) commitment to specified off-site property owners regarding potential exposures from shallow groundwater due to utility worker excavation activity. The Act 2 Final Report and PRCP was approved by the Pennsylvania Department of Environmental Protection (PADEP) and the United States Environmental Protection Agency (USEPA) on January 31, 2024.

According to the project groundwater risk assessment, potential risks were identified only for utility workers where groundwater is within 15 feet of the ground surface on your property located at **Milepost YX-11.09, York Running Track at or near York, York County, PA (Expired Agreement ROE00109, 7-30-07).** These results suggest the need for reasonable caution in planning and conducting intrusive activities in these areas, such as utility installations or new building construction.

The approved PRCP specifies that you contact the fYNOP Remediation Team if intrusive underground utility work is anticipated on the property. When notified, the fYNOP Remediation Team will evaluate current environmental conditions and provide notice to the landowner regarding the need for measures to protect human health and the environment during the utility work.

If you have any questions on the information presented herein, please contact me at 267-249-0417 or rgolia@amoed.com.

Respectfully submitted,

fYNOP Remediation Team

Ralph Golia
Project Coordinator

cc: Timothy Scripko (Harley-Davidson Motor Company Operations, Inc.)
Hamid Rafiee (U.S. Army Corps of Engineers)

James Rea (PA Department of Environmental Protection)
Kristin Koroncai (U.S. Environmental Protection Agency)
Mark Hodgkins (Springettsbury Township)
Zach Zimmerman (York Water Company)
David Boore (Pennsylvania- American Water Company)



June 30, 2025

US Army Corps of Engineers
Baltimore Real Estate Division
2 Hopkins Plaza
Baltimore, Maryland 21201
Attn: Craig Homesley

Re: Annual Excavation Activity Notification
Former York Naval Ordnance Plant
1425 Eden Road, York, Pennsylvania

Dear Craig:

In accordance with the approved Pennsylvania Land Recycling and Environmental Standards Act (a.k.a., Act 2) Final Report, including its Post Remediation Care Plan (PRCP) for the former York Naval Ordnance Plant (fYNOP), this notice confirms the fYNOP Remediation Team's (Harley-Davidson Motor Company Operations, Inc. and the U.S. Government (represented by the U.S. Army Corps of Engineers)) commitment to specified off-site property owners regarding potential exposures from shallow groundwater due to utility worker excavation activity. The Act 2 Final Report and PRCP was approved by the Pennsylvania Department of Environmental Protection (PADEP) and the United States Environmental Protection Agency (USEPA) on January 31, 2024.

According to the project groundwater risk assessment, potential risks were identified only for utility workers where groundwater is within 15 feet of the ground surface on your property located at **at the U.S. Government Flood Control (Parcel 46-000-KI-0236.A0-000) along Codorus Creek in York, PA.** These results suggest the need for reasonable caution in planning and conducting intrusive activities in these areas, such as utility installations or new building construction.

The approved PRCP specifies that you contact the fYNOP Remediation Team if intrusive underground utility work is anticipated on the property. When notified, the fYNOP Remediation Team will evaluate current environmental conditions and provide notice to the landowner regarding the need for measures to protect human health and the environment during the utility work.

If you have any questions on the information presented herein, please contact me at 267-249-0417 or rgolia@amoed.com.

Respectfully submitted,

fYNOP Remediation Team

Ralph Golia
Project Coordinator

cc: Timothy Scripko (Harley-Davidson Motor Company Operations, Inc.)
Hamid Rafiee (U.S. Army Corps of Engineers)

James Rea (PA Department of Environmental Protection)
Kristin Koroncai (U.S. Environmental Protection Agency)
Mark Hodgkins (Springettsbury Township)
Zach Zimmerman (York Water Company)
David Boore (Pennsylvania- American Water Company)



June 30, 2025

York County Rail Trail Authority
2433 Seven Valleys Road (RT 616)
Seven Valleys, Pennsylvania 17360
Attn: Gwen Loose

Re: Annual Excavation Activity Notification
Former York Naval Ordnance Plant
1425 Eden Road, York, Pennsylvania

Dear Gwen:

In accordance with the approved Pennsylvania Land Recycling and Environmental Standards Act (a.k.a., Act 2) Final Report, including its Post Remediation Care Plan (PRCP) for the former York Naval Ordnance Plant (fYNOP), this notice confirms the fYNOP Remediation Team's (Harley-Davidson Motor Company Operations, Inc. and the U.S. Government (represented by the U.S. Army Corps of Engineers)) commitment to specified off-site property owners regarding potential exposures from shallow groundwater due to utility worker excavation activity. The Act 2 Final Report and PRCP was approved by the Pennsylvania Department of Environmental Protection (PADEP) and the United States Environmental Protection Agency (USEPA) on January 31, 2024.

According to the project groundwater risk assessment, potential risks were identified only for utility workers where groundwater is within 15 feet of the ground surface on your property located at **along Codorus Creek, (Parcels 46-000-JI-037.00-00000 and 46-000-KI-0238.00-00000)**. These results suggest the need for reasonable caution in planning and conducting intrusive activities in these areas, such as utility installations or new building construction.

The approved PRCP specifies that you contact the fYNOP Remediation Team if intrusive underground utility work is anticipated on the property. When notified, the fYNOP Remediation Team will evaluate current environmental conditions and provide notice to the landowner regarding the need for measures to protect human health and the environment during the utility work.

If you have any questions on the information presented herein, please contact me at 267-249-0417 or rgolia@amoed.com.

Respectfully submitted,

fYNOP Remediation Team

Ralph Golia
Project Coordinator

cc: Timothy Scripko (Harley-Davidson Motor Company Operations, Inc.)
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James Rea (PA Department of Environmental Protection)
Kristin Koroncai (U.S. Environmental Protection Agency)
Mark Hodgkins (Springettsbury Township)
Zach Zimmerman (York Water Company)
David Boore (Pennsylvania- American Water Company)



June 30, 2025

York County Administrative Center
28 E. Market Street
York, Pennsylvania 17401
Attn: Greg Monskie (Administrator/Chief Clerk)

Re: Annual Excavation Activity Notification
Former York Naval Ordnance Plant
1425 Eden Road, York, Pennsylvania

Dear Mr. Monskie:

In accordance with the approved Pennsylvania Land Recycling and Environmental Standards Act (a.k.a., Act 2) Final Report, including its Post Remediation Care Plan (PRCP) for the former York Naval Ordnance Plant (fYNOP), this notice confirms the fYNOP Remediation Team's (Harley-Davidson Motor Company Operations, Inc. and the U.S. Government (represented by the U.S. Army Corps of Engineers)) commitment to specified off-site property owners regarding potential exposures from shallow groundwater due to utility worker excavation activity. The Act 2 Final Report and PRCP was approved by the Pennsylvania Department of Environmental Protection (PADEP) and the United States Environmental Protection Agency (USEPA) on January 31, 2024.

According to the project groundwater risk assessment, potential risks were identified only for utility workers where groundwater is within 15 feet of the ground surface on your property located at **along Codorus Creek, (Parcel 46-000-JI-036.00-00000)**. These results suggest the need for reasonable caution in planning and conducting intrusive activities in these areas, such as utility installations or new building construction.

The approved PRCP specifies that you contact the fYNOP Remediation Team if intrusive underground utility work is anticipated on the property. When notified, the fYNOP Remediation Team will evaluate current environmental conditions and provide notice to the landowner regarding the need for measures to protect human health and the environment during the utility work.

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Respectfully submitted,

fYNOP Remediation Team

Ralph Golia
Project Coordinator

cc: Timothy Scripko (Harley-Davidson Motor Company Operations, Inc.)
Hamid Rafiee (U.S. Army Corps of Engineers)
James Rea (PA Department of Environmental Protection)

Kristin Koroncai (U.S. Environmental Protection Agency)
Mark Hodgkins (Springettsbury Township)
Zach Zimmerman (York Water Company)
David Boore (Pennsylvania- American Water Company)



June 30, 2025

MOLT LLC
905 Heritage Hills Drive
York, Pennsylvania 17401
Attn: Themí Sacarellos

Re: Annual Excavation Activity Notification
Former York Naval Ordnance Plant
1425 Eden Road, York, Pennsylvania

Dear Mr. Sacarellos:

In accordance with the approved Pennsylvania Land Recycling and Environmental Standards Act (a.k.a., Act 2) Final Report, including its Post Remediation Care Plan (PRCP) for the former York Naval Ordnance Plant (fYNOP), this notice confirms the fYNOP Remediation Team's (Harley-Davidson Motor Company Operations, Inc. and the U.S. Government (represented by the U.S. Army Corps of Engineers)) commitment to specified off-site property owners regarding potential exposures from shallow groundwater due to utility worker excavation activity. The Act 2 Final Report and PRCP was approved by the Pennsylvania Department of Environmental Protection (PADEP) and the United States Environmental Protection Agency (USEPA) on January 31, 2024.

According to the project groundwater risk assessment, potential risks were identified only for utility workers where groundwater is within 15 feet of the ground surface on your property located at **near Codorus Creek, (Parcel 46-000-KI-0239.00-00000)**. These results suggest the need for reasonable caution in planning and conducting intrusive activities in these areas, such as utility installations or new building construction.

The approved PRCP specifies that you contact the fYNOP Remediation Team if intrusive underground utility work is anticipated on the property. When notified, the fYNOP Remediation Team will evaluate current environmental conditions and provide notice to the landowner regarding the need for measures to protect human health and the environment during the utility work.

If you have any questions on the information presented herein, please contact me at 267-249-0417 or rgolia@amoed.com.

Respectfully submitted,

fYNOP Remediation Team

Ralph Golia
Project Coordinator

cc: Timothy Scripko (Harley-Davidson Motor Company Operations, Inc.)
Hamid Rafiee (U.S. Army Corps of Engineers)
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