2025 Annual Monitoring & Inspection Report

SNPE-VDM Creek Bank Corrective Actions Order on Consent R9-20080205-5
NYSDEC Site No. 932149
Lockport, New York

Prepared For:
SNPE, Inc.
103 Carnegie Center
Suite 300
Princeton, New Jersey 08540

Prepared By:
TRC Environmental Corporation
1090 Union Road
Suite 280
West Seneca, NY 14224

August 2026

TRC Project No.: 667048.0000.0000



TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Site Location 1
1.2 Monitoring Frequency 1
1.3 Purpose 1

2.0 SEMI-ANNUAL INSPECTIONS 3
2.1 Passive DNAPL Collection Trench 3
2.1.1 August 2025 Inspection 3
2.1.2 December 2025 Inspection 3
2.2 Creek Bank Area 3
2.2.1 August 2025 Inspection 3
2.2.2 December 2025 Inspection 4
2.3 Collection Trench Overflow Filter Vault Structure 4
2.3.1 August 2025 Inspection 4
2.3.2 December 2025 Inspection 5
2.4 Inspection Modifications 5

3.0 ANNUAL GROUNDWATER / EFFLUENT MONITORING 6
3.1 Groundwater Purging & Sampling 6
3.2 Creek Bank Area Piezometers 6
3.2.1 Sampling & Analysis 6
3.2.2 2025 Analytical Results 7
3.2.3 Historical Analytical Results 7
3.3 Creek Bank Area Filter Vault Structure 8
3.3.1 Sampling & Analysis 8
3.3.2 2025 Analytical Results 8
3.3.3 Historical Analytical Results 8
3.4 VDM Facility Monitoring Wells 9
3.4.1 Sampling & Analysis 9
3.4.2 2025 Analytical Results 9
3.4.3 Historical Analytical Results 10
3.5 Piezometer, Monitoring Well, & Filter Vault Inspection & Assessment 11
3.6 Groundwater Monitoring Program Clarifications 12
3.7 Groundwater Quality Assessment & Conclusions 12

4.0 ADDITIONAL NYSDEC-REQUESTED ACTIVITIES 14
4.1 Emerging Contaminant Sampling & Analysis 14
4.2 Emerging Contaminant Analytical Results 14
4.3 Emerging Contaminant Assessment 15

5.0 MAINTENANCE & CLEAN-OUT ACTIVITIES (AS NEEDED) 16

6.0 LIMITATIONS 17

7.0 REFERENCES 18

TABLES

Table 1 Monitoring Point Construction Summary
Table 2 Summary of Creek Bank DNAPL Recovery
Table 3 Summary of Groundwater & Vault Monitoring Results – August 2025
Table 4 Summary of Groundwater Emerging Contaminant Results – August 2025

FIGURES

Figure 1 Site Location & Vicinity Map
Figure 2 Site Plan (Aerial)
Figure 3 Creek Bank Area

APPENDICES

Appendix A Operations & Monitoring Summary Inspection Forms
Appendix B August 2025 Inspection Photographs
Appendix C December 2025 Inspection Photographs
Appendix D Field Forms
Appendix E Laboratory Analytical Data Summary Package
Appendix F Historical Groundwater & Vault Monitoring Results (2013 to present)

1.0 Introduction

TRC Environmental Corporation (TRC), under contract to SNPE Inc. (SNPE) and in close cooperation with the Site owner, VanDeMark Chemical Inc. (VDM), has prepared this annual monitoring and inspection summary report for 2025, in support of the Operations and Maintenance Plan (OMP) that was prepared for the VDM Lockport Facility by WSP USA Inc. (revised June 2022) (**Ref. 1**). This summary report describes the activities that were performed during 2025 to maintain and monitor the effectiveness of the 2012 Corrective Measures remedial system implemented at the VDM site along a portion of VDM's property adjacent to the north bank of Eighteen Mile Creek Bank (hereafter referred to as the "Creek Bank Area") and the associated groundwater and dense non-aqueous phase liquid (DNAPL) impacts downgradient of the 2011 Interim Corrective Measures (ICMs) excavation areas performed within VDM's manufacturing facility (**Refs. 2 and 3**), which is upgradient of the Creek Bank Area.

1.1 Site Location

The VDM Facility is located in Niagara County, City of Lockport, New York (see **Figure 1**). The Corrective Measures Creek Bank Area and the VDM Facility ICM excavation areas are shown on **Figure 2**. The locations of the areas both within the active VDM Facility and to the south along the Creek Bank Area monitored as part of this annual report are shown on **Figure 3**.

1.2 Monitoring Frequency

In March 2015, the NYSDEC approved a petition from SNPE to reduce annual inspections from quarterly to semi-annually to coincide, at that time, with the semi-annual groundwater sampling events. In January 2018, the NYSDEC approved a petition from SNPE to reduce the groundwater sampling frequency from semi-annual to annual; the annual groundwater sampling event would then coincide with the spring semi-annual inspection event (typically performed in May). As such, and since 2018, two semi-annual inspections and one annual groundwater sampling event have been performed. In June 2022, the O&M Plan was revised to memorialize this frequency modification along with several other minor O&M modifications.

The semi-annual inspection and annual groundwater sampling frequency was continued for the 2025 O&M reporting period and were performed by TRC personnel on August 13, 2025 and December 2, 2025. The results and observations of those inspections for the passive DNAPL collection trench, Creek Bank Area, and Collection Trench Overflow Filter Vault Structure are presented in the following sections.

1.3 Purpose

This annual monitoring/inspection report documents the extent to which the objectives of the 2012 Creek Bank Corrective Measures and 2011 VDM Facility Interim Corrective Measure (ICM) are being met based on the following primary activities that were conducted throughout the 2025 monitoring period:

- Two visual inspections for presence of DNAPL in the passive upgradient permeable collection trench installed along the grout cut-off wall alignment including inspection of the four observation sumps (OS-1 through OS-4).
- Two visual inspections for presence of DNAPL along the Eighteen Mile Creek bank areas where coal tar residuals have previously been observed.
- Annual groundwater sampling of the four piezometers (PZ-1 through PZ-4) installed upgradient and downgradient of the grout cut-off wall.

- Annual sampling of the water discharge from the collection trench Filter Vault overflow chamber.
- Visual inspection of the Filter Vault media (i.e., filter sand and activated carbon) and sump chamber.
- Annual groundwater sampling of two representative upgradient monitoring wells (MW-3D and MW-7D) located within the VDM Facility.

This annual report presents details on the frequency and methodologies employed for the inspections, monitoring, and maintenance activities described above. The documentation and reporting associated with these activities are also described and provided.

2.0 Semi-Annual Inspections

Field observations for the August and December 2025 events were recorded and summarized on written inspection reports (see **Appendix A**) and representative photographs taken are provided in **Appendices B and C**, respectively.

2.1 Passive DNAPL Collection Trench

TRC personnel performed visual inspections of the DNAPL collection trench in August and December 2025. Visual inspections included slowly lowering a wooden probe to the bottom of four, 4-inch diameter PVC DNAPL observation sumps (OS-1, OS-2, OS-3, and OS-4) located along the DNAPL Collection Trench (see **Figure 3**). Construction details for the four DNAPL Observation Sumps are summarized in **Table 1**.

The following observations were recorded and summarized on written inspection reports provided in **Appendix A** for each inspection event.

2.1.1 August 2025 Inspection

During the August 2025 inspection, the bottom of each sump was hard and rocky. Sumps OS-2 and OS-4 were dry, while OS-1 (±4.5-feet of water and ±0.3-feet of soft sediment), and OS-3 (±1.0-feet of water and ±0.5-feet of soft sediment) contained groundwater and sediment.

During the August 2025 inspection event, DNAPL accumulation, a sheen (when groundwater was present), and/or odor were not observed within any of the four observation sumps located within the DNAPL collection trench.

2.1.2 December 2025 Inspection

During the December 2025 inspection, the bottom of each sump was hard and rocky. Sumps OS-2 and OS-4 were dry, while OS-1 (±3.0-feet of water and ±0.16-feet of soft sediment), and OS-3 (±0.75-feet of water and ±0.2-feet of soft sediment) contained groundwater and sediment.

During the December 2025 inspection event, DNAPL accumulation, a sheen (when groundwater was present), and/or odor were not observed within any of the four observation sumps located within the DNAPL collection trench.

2.2 Creek Bank Area

Visual inspections were performed along approximately 300-feet of the Creek Bank Area in the vicinity of the DNAPL collection trench during the August and December 2025 inspections. Specifically, TRC personnel inspected both the upgradient slope (north of the Trench) and downgradient slope (south of the Trench) for signs of DNAPL accumulation during each inspection event. Snow cover obscured upslope inspection during the December 2025 event.

The following observations were recorded and summarized on written inspection reports provided in **Appendix A** for each inspection event.

2.2.1 August 2025 Inspection

The upgradient and downgradient slopes to the DNAPL Collection Trench were inspected during the August 2025 inspection event. Late spring vegetative cover was already heavy at the time of the event, which made visual observations more difficult.

No evidence of DNAPL accumulation (or excessive erosion) was observed on the upgradient slope of the Creek Bank Area during the August 2025 inspection. However, minor DNAPL

accumulation seeps (i.e., residual coal tar) were observed at a few locations along the north bank of Eighteen Mile Creek, south of the DNAPL Collection Trench and west of the Stone Block Structure at the usual recurring locations. TRC personnel attempted to manually remove the observed DNAPL seeps and approximately 1.5-gallons of residual DNAPL material were recovered. DNAPL removal was discontinued where it would undermine the steep slope, resulting in deposition of residuals in the adjacent Creek, or becoming too difficult to recover manually.

Manually recovered DNAPL volume totals since 2015 are summarized in **Table 2** for tracking purposes. Inspection of these areas will continue going forward to address any changes or new seeps.

2.2.2 December 2025 Inspection

The upgradient and downgradient slopes to the DNAPL Collection Trench were inspected during the December 2025 inspection event. The presence of snow cover at the time of the inspection made visual observations more difficult.

No evidence of DNAPL accumulation (or excessive erosion) was observed on the upgradient slope of the Creek Bank Area during the December 2025 inspection. Snow cover precluded the identification and potential removal of tar residuals at the usual recurring locations along the north bank of Eighteen Mile Creek, south of the DNAPL Collection Trench and west of the Stone Block Structure. TRC personnel attempted to manually "sweep" away and/or remove the snow cover to locate historically persistent areas of tar residuals but were unsuccessful identifying DNAPL seeps to remove. As such, 0.0-gallons of residual DNAPL material were recovered.

Manually recovered DNAPL volume totals since 2015 are summarized in **Table 2** for tracking purposes. Inspection of these areas will continue going forward to address any changes or new seeps.

2.3 Collection Trench Overflow Filter Vault Structure

Inspections of the DNAPL Collection Trench drainage/filtration system, including the Filter Vault and gravel filled sump drain, were performed during the August and December 2025 inspections. Visual observations included noting the general condition of the drainage sump filter media and any evidence of excessive solids accumulation, presence of DNAPL residuals, a water sheen, or filter media washout.

The following observations were recorded and summarized on written inspection reports provided in **Appendix A** for each inspection event.

2.3.1 August 2025 Inspection

During the August 2025 inspection, DNAPL or other evidence of contamination (i.e., sheen and/or odor) were not present on the surface of accumulated water or filter media in the Filter Vault. There was no erosion or disturbance of the drainage sump filter media, with only minor sediment present (<0.5-inch layer) on the top of the sand media. The overflow section (filtered water discharge chamber) of the sump structure was clear and free of any sediment or solids. A steady water overflow to the discharge pipe was observed at the time of visual inspection. The padlock and latch to the Filter Vault was damaged due to vandalism; TRC and VDM personnel were able to repair the latch, and a new lock was installed. No other damage was observed.

The gravel filled sump drainage area adjacent to the filter sump was observed to be in good condition with no evidence of surficial water overflow, silting, or DNAPL. VDM personnel periodically keep the area cleared of vegetation to maintain drainage area integrity.

2.3.2 December 2025 Inspection

During the December 2025 inspection, DNAPL or other evidence of contamination (i.e., sheen and/or odor) were not present on the surface of accumulated water or filter media in the Filter Vault. There was no erosion or disturbance of the drainage sump filter media, with only minor sediment present (<0.5-inch layer) on the top of the sand media. The overflow section (filtered water discharge chamber) of the sump structure was clear and free of any sediment or solids. A steady water overflow to the discharge pipe was observed at the time of visual inspection.

The gravel filled sump drainage area adjacent to the filter sump was covered in snow, however no evidence of surficial water overflow, silting, or DNAPL was observed. Aside from the snow cover, VDM personnel were reminded to have the area cleared to maintain drainage area integrity prior to the next inspection event.

2.4 Inspection Modifications

There were no inspection modifications to the August or December 2025 events.

3.0 Annual Groundwater / Effluent Monitoring

Annual groundwater and effluent monitoring field observations for the August 2025 event were recorded and summarized on the requisite field forms (see **Appendix D**). Representative photographs taken are provided in **Appendix B**.

The groundwater monitoring network includes four (4) piezometers, located in the Creek Bank Area identified as PZ-1 through PZ-4, and two (2) bedrock monitoring wells, located at the top of the escarpment within the VDM Facility identified as MW-3D and MW-7D. In addition, wells MW-4DR and MW-5S were sampled in 2025 for emerging contaminants per NYSDEC request (see Section 4.0). Construction details for the piezometers and monitoring wells are summarized in **Table 1**. The four piezometers, two monitoring wells, and Filter Vault effluent are being monitored to establish a groundwater/effluent quality data set for the VDM Site as described in **Sections 3.2 (Piezometers), 3.3 (Filter Vault), and 3.4 (Monitoring Wells)** below.

This was the thirteenth (13th) year of Site monitoring following the completion of the 2012 Corrective Measures of the Creek Bank Area and the fourteenth (14th) year following the completion of the 2011 ICM.

3.1 Groundwater Purging & Sampling

To ensure the collection of representative groundwater samples, each monitoring point (1-inch diameter piezometers and 2-inch monitoring wells) was purged and sampled via low-flow methodology utilizing dedicated high-density polyethylene (HDPE) tubing and a pump (peristaltic for the piezometers and dedicated submersible pump for the monitoring wells). Following pre-sampling activities (see Sections 3.2, 3.3, and 3.4) and during low-flow purging of each monitoring point, field parameters pH, conductivity, temperature, turbidity, dissolved oxygen, and oxidation-reduction potential as well as depth to groundwater and total depth measurements were obtained and recorded. Upon stabilization (defined as a fluctuation of ±10%), TRC personnel collected representative groundwater samples for laboratory analysis. Collected groundwater from each monitoring point was discharged into VDM's process sewer manhole.

Monitoring point purging and sampling, including the duration of the purging process, methods employed, volume of water removed, and measured field parameters are included on TRC's *Groundwater Field Forms* for each monitoring point provided in **Appendix D**.

3.2 Creek Bank Area Piezometers

On August 13, 2025, annual groundwater sampling of two of the four (4) piezometers (PZ-3, and PZ-4) was performed to assess the general groundwater quality upgradient and downgradient of the grout curtain and bedrock cutoff system (refer to **Figure 3**). Piezometers PZ-1 and PZ-2 were determined to be dry, and therefore, not sampled. Construction details for the four piezometers are summarized in **Table 1**. The location of each piezometer is shown in **Figure 3**.

Pre-sampling activities included piezometer inspection/assessment, static depth to water measurements, total depth sounding, and DNAPL determination. During inspection and assessment, the physical condition of each piezometer, protective casing, J-plug/cap, and lock were noted, and any recommended repairs or maintenance required (if necessary) was documented. Piezometer inspection and assessment results are discussed in **Section 3.5**.

3.2.1 Sampling & Analysis

Collected groundwater samples from two of the four piezometers (PZ-3 and PZ-4) were submitted to Pace Analytical, Inc. located in Tonawanda, New York, a New York State Department of Health

(NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory for TCL Volatile Organic Compound (VOC) (USEPA Method 8260) and TCL Semi-volatile Organic Compound (SVOC) (USEPA Method 8270) analysis. TRC personnel delivered the groundwater samples under proper preservation and chain of custody procedures to Pace, within eight hours of collection.

Following sample collection, groundwater from each piezometer was analyzed in the field for pH, temperature, specific conductance, turbidity, dissolved oxygen, and ORP, along with appearance/odor and any DNAPL observations. Field measurements and observations following sample collection were recorded on TRC's *Groundwater Field Forms* provided in **Appendix D** and are summarized in **Table 3**. A meter malfunction during sampling of piezometer PZ-3 precluded the recording of field parameters.

3.2.2 2025 Analytical Results

The laboratory analytical data summary package for the piezometer groundwater samples is provided in **Appendix E**. The 2025 analytical results are summarized in **Table 3** with comparison to Class "GA" Ambient Water Quality Standards and Guidance Values (AWQSs/GVs) per NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1. Examination of **Table 3** indicates:

- VOCs were not detected above individual AWQS/GVs in groundwater at any of the piezometers.
- Phenol and naphthalene were the only SVOCs detected in Creek Bank Area groundwater at a concentration exceeding the AWQS, both detected at piezometer PZ-3.

No other compounds were detected in piezometer groundwater above the individual AWQSs/GVs.

3.2.3 Historical Analytical Results

Historical analytical results for piezometer groundwater samples collected from 2013 to 2025 within the Creek Bank Area have been summarized and are provided in **Appendix F**. Evaluation of the 2025 analytical results compared to the historical results for each piezometer is provided below.

- Except for occasional and sporadic low-concentration detections of a few compounds, VOCs continue to be reported as non-detect with no discernible trend (i.e., either increasing or decreasing) or consistent detections at piezometers PZ-2, PZ-3, and PZ-4.
- Although several PAHs persist at estimated and residual concentrations, there continues to be no discernible trend (i.e., either increasing or decreasing) or consistent detections at piezometers PZ-2, PZ-3, and PZ-4.

Based on historical comparisons of analytical data, TRC will continue to assess the piezometer groundwater data for trends and evaluate the effectiveness of the Corrective Measures as additional analytical data is collected during future annual monitoring events. The data collected to date from historical groundwater sampling events demonstrates that the DNAPL source in the upgradient bedrock appears to be contributing to residual PAH detections at low-level (and estimated) concentrations in piezometers PZ-2, PZ-3, and PZ-4.

3.3 Creek Bank Area Filter Vault Structure

On August 13, 2025, annual effluent sampling of the collection trench drainage/filtration system overflow chamber (Filter Vault) was performed to assess the general performance of the grout wall and bedrock cutoff system. The locations of the Filter Vault, sump drain, grout curtain, and DNAPL collection trench are shown in **Figure 3**.

Pre-sampling activities included inspection of the vault filter media, a vault-maintenance check, and DNAPL determination. During inspection and assessment, the physical condition of filter sump, sump media, and sump drain were noted, and any recommended repairs or maintenance required (if necessary) were documented. Filter Vault system inspection and assessment results are discussed in **Section 2.3**.

3.3.1 Sampling & Analysis

The Filter Vault effluent sample was collected via direct grab and submitted to Pace for TCL VOC (USEPA Method 8260B) and TCL SVOC (USEPA Method 8270C) analysis. TRC personnel delivered the effluent sample under proper preservation and chain of custody procedures to Pace, within eight hours of collection.

Due to a meter malfunction, the effluent water sample could not be analyzed in the field for pH, temperature, specific conductance, turbidity, dissolved oxygen, and ORP. Other field observations were recorded on TRC's *Water Sample Collection Log* provided in **Appendix D** and are summarized in **Table 3**.

3.3.2 2025 Analytical Results

The laboratory analytical data summary package for the Filter Vault effluent sample is provided in **Appendix E**. The 2025 analytical results are summarized in **Table 3** with comparison to Class "GA" AWQSs/GVs per NYSDEC TOGS 1.1.1. Examination of **Table 3** indicates:

- Acetone and chloroform were the only VOCs detected in the Filter Vault effluent sample, both of which at concentrations well below their respective AWQSs.
- Several PAHs were detected in the Filter Vault effluent sample above their respective AWQGVs (two were estimated, J-qualified) or at an estimated concentration (J-qualified) below the individual AWQS.

No other compounds were detected in Filter Vault effluent water above the individual AWQSs/GVs.

3.3.3 Historical Analytical Results

Historical analytical results for the Filter Vault effluent samples collected from 2013 to 2025 within the Creek Bank Area have been summarized and are provided in **Appendix F**. Evaluation of the 2025 analytical results compared to the historical results is provided below.

- Except for occasional and sporadic low-concentration detections of a few compounds, chloroform is the only VOC that has been reported at a concentration above the AWQS. Historically, the reported concentrations of chloroform have indicated a decreasing trend since November 2017 and are below the AWQS in 2025. This decreasing trend is expected to continue.
- Since June 2013, PAHs have been detected in Filter Vault effluent at estimated (J-qualified) and residual concentrations well below the individual AQWS/GVs with only four

minor exceptions where detections exceeded the individual AWQS/GVs: 1) the May 2015 effluent sample contained bis(2-ethylhexyl)phthalate at a concentration slightly above the individual AWQS/GVs; 2) benzo(b)fluoranthene, benzo(k)fluoranthene, and indeno(1,2,3-cd)pyrene in May 2023; 3) phenol in May 2024; and, 4) benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene in August 2025.

- Comparatively, the 2025 results identified five PAHs not historically detected, including: benzo(a)pyrene, chrysene, fluoranthene, phenanthrene, and pyrene. One of those PAHs exceeded the benzo(a)pyrene AWQS, one exceeded the chrysene AWQGV, and the other three were detected at a residual concentration well below their respective AWQS/GVs.
- Based on the historical results for PAHs, there is no discernible trend (i.e., either increasing or decreasing) or consistent detections in the Filter Vault effluent.

Based on historical comparisons of analytical data, TRC will continue to assess the Filter Vault effluent data for trends and evaluate the effectiveness of the Corrective Measures as additional analytical data is collected during future annual monitoring events.

3.4 VDM Facility Monitoring Wells

Annual groundwater sampling was performed August 13, 2025 on two existing monitoring wells, identified as MW-3D and MW-7D, located within the operational portion of the VDM Facility at the top of the escarpment, to assess the general groundwater quality at these upgradient locations. Construction details for both monitoring wells are summarized in **Table 1**. The location of each monitoring well is shown on **Figures 2 and 3**.

Pre-sampling activities included monitoring well inspection/assessment, static depth to water measurements, total depth sounding, and DNAPL determination. During inspection and assessment, the physical condition of each monitoring well, protective road box, J-plug/cap, and lock were noted, and any recommended repairs or maintenance required (if necessary) was documented. Monitoring well inspection and assessment results are discussed in **Section 3.5**.

3.4.1 Sampling & Analysis

Collected groundwater samples from both monitoring wells MW-3D and MW-7D were submitted to Pace for TCL VOC (USEPA Method 8260B) and TCL SVOC (USEPA Method 8270C) analysis. TRC personnel delivered the groundwater samples under proper preservation and chain of custody procedures to Pace, within eight hours of collection.

Following sample collection, groundwater from each monitoring well was analyzed in the field for pH, temperature, specific conductance, turbidity, dissolved oxygen, and ORP, along with appearance/odor. Field measurements and observations were recorded on TRC's *Groundwater Field Forms* provided in **Appendix D** and are summarized in **Table 3**.

3.4.2 2025 Analytical Results

The laboratory analytical data summary package for the monitoring well groundwater samples is provided in **Appendix E**. The 2025 analytical results are summarized in **Table 3** with comparison to Class "GA" AWQSs/GVs per NYSDEC T.O.G.S 1.1.1. Examination of **Table 3** indicates:

- VOCs were detected in VDM Facility groundwater, some at concentrations exceeding the individual AWQSs/GVs, including:

- 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, carbon tetrachloride, and vinyl chloride at well MW-3D.
- There were no VOCs detected at a concentration exceeding the individual AWQSs/GVs at well MW-7D.

- Several SVOCs, all PAHs, were detected in VDM Facility groundwater, some at concentrations exceeding the individual AWQSs/GVs, including:
  - There were no PAHs detected at a concentration exceeding the individual AWQSs/GVs at well MW-3D.
  - SVOC biphenyl was detected at a concentration above the AWQS at well MW-7D.
  - Nine SVOCs, all PAHs (acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, ideno(1,2,3-cd)pyrene, and phenanthrene) were detected above the individual AWQSs/GVs at well MW-7D.

No other compounds were detected in VDM Facility groundwater above the individual AWQSs/GVs.

A petroleum-like odor and slight sheen were observed during purging and sampling of well MW-7D. DNAPL was not identified at the bottom of either well; MW-3D or MW-7D.

3.4.3 Historical Analytical Results

Historical analytical results for monitoring well groundwater samples collected from 2013 to 2025 within the VDM Facility have been summarized and are provided in **Appendix F**. Evaluation of the 2025 analytical results compared to the historical results for each well is provided below.

- Well MW-3D (**Section 3.6** explains the sampling and analytical history of well MW-3D):
  - Five VOCs (1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethene, and vinyl chloride) have historically been reported at concentrations above the individual AWQSs, all of which appear to indicate a decreasing trend below or approaching the individual AWQSs.
  - One other VOC, carbon tetrachloride, was reported in 2025 above the AWQS for the third time since 2013. From 2013 to 2024, the trend appeared to have been increasing, however in 2025, the concentration trend began to decline. As such, an overall trend determination (i.e., either neutral, increasing, or decreasing) is not apparent currently.
  - There were no SVOCs, including PAHs, reported at a concentration above the individual AWQSs/GVs in 2025.
- Well MW-7D:
  - There were no VOCs reported at a concentration above the individual AWQSs in 2025. The historical data appears to indicate a decreasing trend of detected VOCs to concentrations below the individual AWQSs/GVs since 2013.
  - Historically, biphenyl has been detected above the AWQS and was again detected at a concentration above the AWQS in 2025 since sampling began in 2013. However, a more recent historical trend appears to be decreasing significantly since May 2021 as the concentration approaches the AWQS.
  - Consistent with historical data, nine PAHs were reported at a concentration above the individual AWQSs/GVs in 2025 (see **Section 3.4.2**). Following uncharacteristically high concentrations (i.e., outliers) reported for each PAH in 2021, PAH concentrations have

returned to typical historical ranges and an apparent return to a neutral trend (neither increasing nor decreasing) can be observed.

The presence of free product (i.e., emulsified globules) and/or measured DNAPL has been an ongoing observation in well MW-7D. However, in 2024 and again in 2025, the sampling procedure was modified from the traditional method of using a polyethylene disposable bailer to a low-flow purge and sample procedure. This modification has significantly lowered the field measured turbidity (<20 NTU) and the historically observed emulsified globules were not present during the 2025 sampling event. Visual and olfactory observations of groundwater during purging and sampling of well MW-7D from available *Sample Collection Information Forms* (2018 to 2025) have included the following:

- 2018 (bailer): "*slightly turbid, slight oil sheen*"
- 2019 (bailer): "*rainbow sheen*"
- 2020 (bailer): "*slight oil sheen*"
- 2021 (bailer): "*oil-diesel odor, more sheen than typically observed*"
- 2022 (bailer): "*black specks in suspension, oil sheen on surface, 1-inch DNAPL at bottom of well*"
- 2023 (bailer): "*trace emulsified globules*"
- 2024 (low-flow): "*slight sheen, petroleum-like odor, clear, no DNAPL at bottom of well*"
- 2025 (low-flow): "*slight sheen, slight petroleum-like odor, clear, no DNAPL at bottom of well*"

Sampling groundwater at monitoring wells with observed free product (i.e., emulsified globules), measurable NAPL (light or dense), or a sheen can produce analytical results that are highly variable and most often biased high, which may be reflected in the wide fluctuation of PAH concentrations historically reported for well MW-7D. Although the modified purging/sampling procedure to low-flow has significantly reduced field turbidity and eliminated the presence of emulsified globules, a slight sheen of product was still observed again in 2025. Aside from this observation, this sampling procedure modification appears to be producing more consistent and repeatable analytical results going forward.

Based on historical comparisons of analytical data, TRC will continue to assess the monitoring well groundwater data for trends and evaluate upgradient groundwater within the VDM Facility as additional analytical data is collected during future annual monitoring events.

3.5 Piezometer, Monitoring Well, & Filter Vault Inspection & Assessment

As previously stated, pre-sampling activities included piezometer and monitoring well inspection and assessment during the August 2025 event to determine their usability and efficacy to monitor groundwater at the Site. Assessment and inspection included, but was not limited to, well casings, J-plugs, hinges, road boxes, vegetative encroachment, locks, etc. TRC recorded the assessment results on individual *Piezometer/Monitoring Well Inspection Forms* which are provided in **Appendix D**. The following summarizes the August 2025 assessment results:

- All four piezometers (PZ-1, PZ-2, PZ-3, and PZ-4) were in good condition; no issues requiring action were identified.
- Monitoring wells MW-3D and MW-7D were in good condition; no issues requiring action were identified.

- The Filter Vault was in good condition; however, damage to the lock and latch was observed. The latch was straightened and lock replaced. No other issues requiring action were identified.

Although not sampled during the December 2025 event, the exterior of each piezometer and monitoring well were inspected and assessed. The following summarizes the December 2025 assessment results:

- All four piezometers (PZ-1, PZ-2, PZ-3, and PZ-4) were in good condition; no issues requiring action were identified.
- Monitoring wells MW-3D and MW-7D were in good condition; no issues requiring action were identified.
- The Filter Vault was in good condition; no issues requiring action were identified.

3.6 Groundwater Monitoring Program Clarifications

The following clarification to the Annual Groundwater Monitoring program was identified in 2024, which was discussed with, and approved by the Department.

During the May 2023 inspection/sampling event, a monitoring well pair was identified in the vicinity of well MW-3D immediately south of D-Building (see **Figures 2 and 3**). Construction details from the OMP for well MW-3D indicated a total depth of approximately 45 feet below ground surface (fbgs) whereas well MW-3S reportedly has a total depth of approximately 26 fbgs. Both monitoring wells were sounded during the May 2023 event, which confirmed these total depths and helped to correctly identify each well. Following well depth sounding and a discussion with the NYSDEC Project Manager and VDM personnel, it was determined that the monitoring well previously identified (and sampled) as well MW-3D, was actually well MW-3S. A search and review of historical total depths reported on Sample Collection Field Logs (from 2013 to 2022) revealed well MW-3D was correctly sampled in June and September 2013 with a reported total depth of 44.87 fbgs. From 2014 to 2019, well MW-3D was reportedly not sampled due to damage by plant snow removal activities. Subsequent field logs indicated a total depth of 26.00 fbgs in May 2020, 25.98 fbgs in May 2021, and 25.98 fbgs in June 2022. Based on these findings, it appears well MW-3S was mistakenly sampled during the 2020, 2021, and 2022 events instead of well MW-3D. As such, these sampling events are not considered relevant to historical analytical discussions of well MW-3D; the results of well MW-3S are displayed in the historical monitoring results summary in **Appendix E**, however they were not used to assess historical groundwater quality (and trends) at well MW-3D discussed in **Section 3.4.3** or **3.7**.

In August 2025, well MW-3D measured a total depth of approximately 45.48 fbgs and was sampled. Both wells MW-3S and MW-3D have been clearly marked in the field to avoid future mis-sampling and each is shown in their correct orientation on **Figures 2 and 3**.

3.7 Groundwater Quality Assessment & Conclusions

In 2025, network monitoring wells and piezometers as well as the Filter Vault currently monitored were observed to be in good condition and continue to be viable and effective monitoring points to determine upgradient versus downgradient groundwater quality at the Site as well as collection trench discharge groundwater quality.

Examination of the current 2025 and historically reported groundwater quality in upgradient monitoring wells within the VDM Facility and downgradient piezometers in proximity to the Creek Bank Area indicates:

- None of the VOCs detected above the AWQSs/GVs in upgradient VDM Facility groundwater were detected in downgradient Creek Bank Area piezometer/filter vault groundwater.
- Similar PAHs were identified in upgradient VDM Facility groundwater although at much higher concentrations than those detected in downgradient groundwater within the Creek Bank Area. As such, the downgradient Creek Bank Area groundwater does not appear to be impacted by these upgradient elevated concentrations, and the data collected to date demonstrates that the DNAPL source in the upgradient bedrock of the Creek Bank Area appears to be only contributing low-level, residual PAH (and in some instances, estimated and even non-detect) concentrations in downgradient piezometer groundwater.

TRC continues to carefully observe the detected compounds in both the upgradient monitoring wells and the downgradient piezometers, however we do not believe further actions are warranted at this time based on the lack of VOCs in downgradient groundwater, the lack of an increasing trend in detections in upgradient and downgradient groundwater, as well as low-level, residual concentrations of PAHs detected in downgradient groundwater. TRC will continue to assess VDM Facility monitoring well groundwater data for trends and evaluate potential impacts of upgradient groundwater on the quality of downgradient Corrective Measures groundwater as additional analytical data is collected from future annual monitoring events.

4.0 Additional NYSDEC-Requested Activities

The following NYSDEC request was reviewed and agreed to by SNPE/VDM and performed by TRC personnel during the August 2025 inspection/monitoring event as described in the following sections.

4.1 Emerging Contaminant Sampling & Analysis

Per NYSDEC/NYSDOH's April 25, 2025 Comment #4 regarding the 2024 Annual Report, and to supplement the May 2024 emerging contaminant (EC) sampling of upgradient bedrock wells MW-3D and MW-7D and downgradient piezometers PZ-2 and PZ-3, NYSDEC requested that bedrock well MW-4DR and shallow overburden well MW-5S be sampled and analyzed for 1,4-dioxane in 2025 to determine whether the source of 1,4-dioxane is on-site or upgradient/off-site.

EC sampling was performed during the August 2025 monitoring event at upgradient bedrock well MW-4DR and upgradient shallow overburden well MW-5S. To ensure the collection of representative groundwater samples, each well was purged and sampled via low-flow methodology utilizing dedicated high-density polyethylene (HDPE) tubing and a peristaltic pump. Following pre-sampling activities and field parameter stabilization (i.e., ±10% variability) and prior to sampling (as described in **Section 3.4**), groundwater samples from each well were collected and analyzed for 1,4-dioxane (via USEPA Method 8270D SIM). TRC personnel delivered the groundwater samples under proper preservation and chain of custody procedures to Pace, within eight hours of collection. Purge water was collected and discharged into VDM's process sewer manhole.

Following sample collection, groundwater from each well was analyzed in the field for pH, temperature, specific conductance, turbidity, dissolved oxygen, and ORP, along with appearance/odor. Field measurements and observations were recorded on TRC's *Groundwater Field Forms* provided in **Appendix D**. The 2025 analytical results are summarized in **Table 4** with comparison to Class "GA" AWQSs/GVs per NYSDEC T.O.G.S 1.1.1.

4.2 Emerging Contaminant Analytical Results

The laboratory analytical data summary package for the 2025 monitoring well groundwater samples is provided in **Appendix E**. The 2025 analytical results are summarized in **Table 4** with comparison to Class "GA" AWQSs/GVs per NYSDEC T.O.G.S 1.1.1. Additionally, the May 2024 EC analytical results from groundwater sampling and analysis of piezometers PZ-2 and PZ-3, and wells MW-3D and MW-7D for 1,4-dioxane are also included in **Table 4** for comparison.

Examination of **Table 4** indicates:

- In August 2025, 1,4-dioxane was detected in bedrock well MW-4DR groundwater at a concentration exceeding the AWQGV.
- In August 2025, 1,4-dioxane was reported as non-detect in shallow overburden well MW-5S groundwater with a reporting limit well below the AWQGV.
- In May 2024, 1,4-dioxane was detected at a concentration exceeding the NYSDEC AWQS at both shallow groundwater piezometers PZ-2 and PZ-3.
- In May 2024, 1,4-dioxane was detected at a concentration exceeding the NYSDEC AWQS at both bedrock groundwater wells MW-3D and MW-7D.

4.3 Emerging Contaminant Assessment

Evaluation of the 2024 and 2025 analytical results for 1,4-dioxane present a significant concentration gradient from upgradient (761 ug/L at well MW-4DR) to downgradient (0.368 ug/L at piezometer PZ-3) groundwater across the VDM Site. This gradient suggests that there is an upgradient and off-site source of EC contamination north of the VDM Facility. Evidence supporting this assertion is based on the following:

- The highest concentration of 1,4-dioxane was detected in bedrock well MW-4DR, which is the furthest upgradient well located at the northern most boundary of the VDM Facility (see **Figure 3**).
- Detections of 1,4-dioxane in downgradient, in-plant bedrock wells MW-3D (131 ug/L) and MW-7D (61.9 ug/L) are well below the concentration detected in upgradient well MW-4DR (761 ug/L).
- Non-detection of 1,4-dioxane in shallow groundwater well MW-5S suggests that the source of upgradient and off-site EC contamination is in the bedrock prior to entering the VDM Facility, and not in the shallow overburden.
- Residual concentrations of 1,4-dioxane slightly above the AWQGV were detected further downgradient in shallow groundwater piezometers PZ-2 and PZ-3.

EC 1,4-dioxane is a synthetic industrial chemical, often acting as a stabilizer for chlorinated solvents (primarily 1,1,1-trichloroethane, trichloroethene, and 1,1-dichloroethene) to prevent degradation during storage, transport, or use, particularly in industrial degreasing. VOC 1,1,1-trichloroethane, amongst other breakdown chlorinated volatile organic compounds (cVOCs) (including 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethene, chloroethane, and vinyl chloride) have been detected in bedrock groundwater wells MW-3D and MW-7D. Historically, chlorinated solvent formulations often contained 1,4-dioxane as an additive so these compounds are frequently found as co-contaminants.

Although the concentrations of cVOCs in on-site bedrock groundwater show an historically decreasing trend, their concentrations are considered residual (i.e., wells MW-3D and MW-7D), and their presence combined with 1,4-dioxane, indicates an upgradient, off-site industrial degreasing source. It is important to note that EC 1,4-dioxane is highly miscible in groundwater, does not sorb strongly to organic matter in soil, and has a low volatilization potential versus cVOCs which often show greater sorption to soil. Combined with potential anaerobic conditions in bedrock groundwater where cVOCs will degrade whereas 1,4-dioxane will not, means that a 1,4-dioxane plume can be expected to travel further than cVOCs, as evidenced at the VDM Facility.

5.0 Maintenance & Clean-Out Activities (As Needed)

As described in **Sections 2.0 and 3.0** above, the inspections conducted in 2025 did not find evidence of DNAPL impacts to the DNAPL Collection Trench or Filter Vault within the Creek Bank Area, therefore maintenance or clean-out activities were not necessary or performed on these components of the Creek Bank Area remedial system. Additionally, repairs to the network piezometers and monitoring wells were not required since no damage was observed to the protective casings (piezometers), road boxes (monitoring wells), surface seals, locks, and/or well/piezometer risers. Observed damage to the Filter Vault lock and latch were repaired during the August 2025 event; no damage was observed to the Filter Vault in December 2025.

TRC's *Well/Piezometer Inspection Forms* are presented in **Appendix D**.

6.0 Limitations

TRC personnel performed monitoring and inspection activities during the August 2025 event and inspection activities during the December 2025 event at the SNPE-VDM Site according to generally accepted practices and the scope of work provided to SNPE-VDM by TRC.

This report has been prepared for the exclusive use of the property owner, SNPE and VDM. The contents of this report are limited to information available at the time of the monitoring and inspection activities and to data referenced herein and assume all referenced historical information sources to be true and accurate. The findings herein may be relied upon only at the discretion of SNPE and VDM. Use of or reliance on this report or its findings by any other person or entity is prohibited without written permission of TRC Environmental Corporation.

7.0 References

1. WSP USA Inc., *SNPE-VanDeMark Corrective Actions, Operation & Maintenance Plan*, prepared for SNPE Inc., June 2022 Revision.

2. Golder Associates Inc., *SNPE-VanDeMark Chemical Creek Bank Corrective Measures Implementation, Construction Closeout Report*, prepared for NYSDEC on behalf of SNPE-VDM, February 2013.

3. Golder Associates Inc., *SNPE-VanDeMark Chemical Interim Corrective Measures Closeout Report*, prepared for NYSDEC on behalf of SNPE-VDM, January 6, 2012.

4. Benchmark Environmental Engineering & Science, PLLC, *Summary of Supplemental Field Investigation and Sampling Activities*, prepared for ISOCHEM, Inc., November 30, 2006.

TABLES

TABLE 1

MONITORING POINT CONSTRUCTION SUMMARY

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site (No. 932149)
Order on Consent: R9-20080205-5
Lockport, New York

Point ID# [1]	Installation Date	Northing (Y)	Easting (X)	Ground Elevation [2]	TOC Elevation [3]	TOR Elevation [4]	Total Depth [5]	Top of Screen [6]	Bottom of Screen [6]	Sand Pack Length (feet)	Seal Length (feet)
PZ-1	11/13/2012	1159829.02	1117877.79	140.50	143.58	143.14	9.0	5.00	9.00	5.0	2.0
PZ-2	11/13/2012	1159849.36	1117885.79	142.20	145.31	144.81	8.0	5.00	8.00	3.5	2.0
PZ-3	11/14/2012	1159842.16	1117700.66	122.70	125.35	124.82	10.0	7.00	10.00	4.0	2.5
PZ-4	11/14/2012	1159855.29	1117710.68	123.90	126.58	126.11	10.0	5.00	10.00	6.0	2.0
MW-2D	08/16/1999	1159974.29	1117724.84	195.0*	At Grade	195.0*	50.0	20.00	50.00	32.0	2.0
MW-3D	08/16/1999	1160000.36	1117574.65	201.0*	At Grade	200.9*	45.0	30.00	45.00	20.0	2.0
MW-4DR	08/1999	1160279.78	1117556.72	Unknown	Unknown	Unknown	35.0	15.00	35.00	22.0	2.0
MW-5S	08/1999	1160114.68	1117776.23	Unknown	Unknown	Unknown	16.1	3.10	16.10	14.5	1.0
MW-7D	11/16/2006	1159980.24	1117718.53	195.5*	At Grade	195.4*	50.0	20.00	50.00	32.0	17.0
OS-1	11/14/2012	1159864.09	1117694.48	122.50	NA	NA	5.0	NA	NA	NA	NA
OS-2	11/14/2012	1159836.16	1117754.02	126.90	NA	NA	5.0	NA	NA	NA	NA
OS-3	11/14/2012	1159844.02	1117854.82	141.09	NA	NA	5.0	NA	NA	NA	NA
OS-4	11/14/2012	1159855.49	1117929.89	143.35	NA	NA	5.0	NA	NA	NA	NA

Notes:

1. Piezometers are constructed of 1-inch and monitoring wells 2-inch, Schedule 40 PVC machine-slotted screen and risers. Observation sumps (OS) are constructed of 4-inch, Schedule 40 PVC perforated screen and risers.
2. Ground elevation was measured at the top of surrounding ground surface (Site datum) by Golder Associates Inc.
3. TOC = top of steel protective casing; elevation was measured by Golder Associates Inc.
4. TOR = top of riser; elevation was measured at the TOR by Golder Associates, Inc.
5. Total depth as measured from ground surface to bottom of well; feet below ground surface (fbgs) during installation.
6. Depth to the top and bottom of well screen is in fbgs.

Abbreviations:

MW = Monitoring Well location withing VDM Plant
PZ = Performance moinitoring piezometer location
OS = DNAPL Collection Trench observation well location
NA = Not Applicable Table By: RJM
* Approximate grade elevation for In-plant monitoring wells based on 2010 Wendel Survey to top of escarpment

TABLE 2

SUMMARY OF CREEK BANK DNAPL RECOVERY

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site (No. 932149)
Order on Consent: R9-20080205-5
Lockport, New York

Inspection Event	Approximate Volume of Manually Collected DNAPL (Gallons)
2015	15.0
Fall 2016	25.0
Spring/Fall 2017	25.0
Spring/Fall 2018	25.0
Spring/Summer 2019	127.5
Fall 2020	15.0
Spring 2021	5
Fall 2021	10
Fall 2022	4
Spring/Fall 2023	0
Spring 2024	5
Fall 2024	15
Spring 2025	1.5
Fall 2025 (snow cover)	0
Total DNAPL Recovered (approx.)	**273.0**

TABLE 3

SUMMARY OF GROUNDWATER & VAULT MONITORING RESULTS

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site (No. 932149)
Order on Consent: R9-20080205-5
Lockport, New York

Parameter	CasNum	NY AWQS/GV*	Units	Sample Location ID, Laboratory ID, Date of Collection, & Analytical Results				
				FILTER VAULT EFFLUENT 8/13/2025 L2551115-08	PZ-3 08/13/2025 L2551115-01	PZ-4 08/13/2025 L2551115-02	MW-3D 08/13/2025 L2551115-03	MW-7D 08/13/2025 L2551115-04
				Results Qual	Results Qual	Results Qual	Results Qual	Results Qual
Field Measurements								
Depth to Water	--	--	fbTOR	NA	NM	4.54	38.01	30.72
Total Depth	--	--	fbTOR	NA	7.62	10.38	45.48	46.62
Volume Purged	--	--	gallons	--	NM	1.10	3.00	2.50
Well Volumes Purged	--	--	--	--	*NM*	*5.5*	*11.1*	*0.8*
Purge/Sample Method	--	--	--	*direct grab*	*low flow*	*low flow*	*low flow*	*low flow*
pH	--	6.5 - 8.5	units	NM	NM	7.68	7.44	7.87
Temperature	--	--	deg. C	NM	NM	16.5	18.3	16.9
Specific Conductance	--	--	mS	NM	NM	3.702	2.490	5.545
Turbidity	--	--	NTU	NM	NM	0.42	1.52	30.82
Dissolved Oxygen	--	--	mg/L	NM	NM	4.36	4.51	4.65
ORP	--	--	mV	NM	NM	179.5	389.5	316.5
Appearance	--	--	--	*clear*	*clear*	*clear*	*clear*	*clear, sheen*
Odor	--	--	--	*none*	*none*	*none*	*sl. sulfur*	*strong odor*
Volatile Organics by GC/MS								
1,1,1-Trichloroethane	71-55-6	5	ug/l	2.5 U	2.5 U	2.5 U	1.5 J	2.5 U
1,1-Dichloroethane	75-34-3	5	ug/l	2.5 U	2.5 U	2.5 U	49	1.5 J
1,1-Dichloroethene	75-35-4	5	ug/l	0.5 U	0.5 U	0.5 U	9	0.2 J
1,2-Dichloroethane	107-06-2	0.6	ug/l	0.5 U	0.5 U	0.5 U	8.7	0.13 J
1,2-Dichloropropane	78-87-5	1	ug/l	1 U	1 U	1 U	0.48 J	1 U
Acetone	67-64-1	50	ug/l	10	8.6	4.1 J	9.2	6.9
Benzene	71-43-2	1	ug/l	0.5 U	0.5 U	0.5 U	0.27 J	0.5 U
Carbon tetrachloride	56-23-5	5	ug/l	0.5 U	0.5 U	0.5 U	20	0.5 U
Chlorobenzene	108-90-7	5	ug/l	2.5 U	2.5 U	2.5 U	2.4 J	2.5 U
Chloroethane	75-00-3	5	ug/l	2.5 U	2.5 U	2.5 U	1.3 J	2.5 U
Chloroform	67-66-3	7	ug/l	3.3	2.5 U	2.5 U	3.6	2.5 U
Tetrachloroethene	127-18-4	5	ug/l	0.5 U	0.5 U	0.5 U	0.24 J	0.5 U
Trichloroethene	79-01-6	5	ug/l	0.5 U	0.5 U	0.5 U	0.88	0.5 U
Vinyl chloride	75-01-4	2	ug/l	1 U	1 U	1 U	3.8	0.22 J
Semivolatile Organics by GC/MS								
Biphenyl	92-52-4	5	ug/l	2 U	0.78 J	2 U	2 U	16
Bis(2-ethylhexyl)phthalate	117-81-7	5	ug/l	3 U	1.6 J	3 U	3 U	1.6 J
Carbazole	86-74-8	--	ug/l	2 U	0.95 J	2 U	2 U	2.3
Dibenzofuran	132-64-9	--	ug/l	2 U	2 U	2 U	2 U	62

TABLE 3

SUMMARY OF GROUNDWATER & VAULT MONITORING RESULTS

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site (No. 932149)
Order on Consent: R9-20080205-5
Lockport, New York

Parameter	CasNum	NY AWQS/GV*	Units	Sample Location ID, Laboratory ID, Date of Collection, & Analytical Results				
				FILTER VAULT EFFLUENT 8/13/2025 L2551115-08	PZ-3 08/13/2025 L2551115-01	PZ-4 08/13/2025 L2551115-02	MW-3D 08/13/2025 L2551115-03	MW-7D 08/13/2025 L2551115-04
				Results Qual	Results Qual	Results Qual	Results Qual	Results Qual
Phenol	108-95-2	1	ug/l	5 U	38	0.99 J	5 U	0.65 J
Semivolatile Organics by GC/MS-SIM								
2-Methylnaphthalene	91-57-6	--	ug/l	0.1 U	4.9	0.1 U	0.04 J	2.7
Acenaphthene	83-32-9	20	ug/l	0.1 U	5.8	0.1 U	0.06 J	98 D
Acenaphthylene	208-96-8	--	ug/l	0.1 U	0.04 J	0.1 U	0.1 U	1.5
Anthracene	120-12-7	50	ug/l	0.07 J	0.15	0.04 J	0.04 J	6
Benzo(a)anthracene	56-55-3	0.002	ug/l	0.12	0.1 U	0.1 U	0.1 U	1.6
Benzo(a)pyrene	50-32-8	0	ug/l	0.09 J	0.1 U	0.1 U	0.1 U	0.46
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	0.08 J	0.1 U	0.1 U	0.1 U	0.78
Benzo(ghi)perylene	191-24-2	--	ug/l	0.04 J	0.1 U	0.1 U	0.1 U	0.18
Benzo(k)fluoranthene	207-08-9	0.002	ug/l	0.1 U	0.1 U	0.1 U	0.1 U	0.22
Chrysene	218-01-9	0.002	ug/l	0.1	0.1 U	0.1 U	0.1 U	1.4
Dibenzo(a,h)anthracene	53-70-3	--	ug/l	0.1 U	0.1 U	0.1 U	0.1 U	0.09 J
Fluoranthene	206-44-0	50	ug/l	0.13	0.06 J	0.1 U	0.09 J	23
Fluorene	86-73-7	50	ug/l	0.1 U	1.3	0.1 U	0.06 J	50
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	0.07 J	0.1 U	0.1 U	0.1 U	0.23
Naphthalene	91-20-3	10	ug/l	0.1 U	14	0.1 U	0.1 U	6.2
Pentachlorophenol	87-86-5	1	ug/l	0.8 U	0.08 J	0.8 U	0.8 U	0.8 U
Phenanthrene	85-01-8	50	ug/l	0.21	1.1	0.1 U	0.1 U	60 D
Pyrene	129-00-0	50	ug/l	0.2	0.16	0.1 U	0.06 J	13

Notes:

1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values*; NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

Qualifier Key:

D = Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
NA = not applicable
NM = field parameter not measured due to meter malfunction.
U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
-- = There is no value for this parameter.

Color Code:

= concentration exceeds the NYSDEC Class GA AWQS/GV.

TABLE 4

SUMMARY OF GROUNDWATER EMERGING CONTAMINANT RESULTS

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site (No. 932149)
Order on Consent: R9-20080205-5
Lockport, New York

Parameter	CasNum	NYSDEC AWQS/GV [1]	Units	Sample Location ID, Laboratory ID, Date of Collection, & Analytical Results					
				2024				2025	
				PZ-2 L2428286-04 05/21/2024	PZ-3 L2428286-05 05/21/2024	MW-3D L2428286-02 05/21/2024	MW-7D L2428286-03 05/21/2024	MW-4DR 08/13/2025 L2551115-05	MW-5S 08/13/2025 L2551115-06
				Results Qual	Results Qual	Results Qual	Results Qual	Results Qual	Results Qual
Field Measurements									
Depth to Water	--	--	fbTOR	5.98	4.22	38.05	30.68	24.13	4.40
Total Depth	--	--	fbTOR	7.62	9.13	45.61	46.95	35.30	6.75
Volume Purged	--	--	gallons	0.42	0.60	13.00	12.00	1.00	0.50
Well Volumes Purged	--	--	--	*6.0*	*3.0*	*10.6*	*4.5*	*0.8*	*0.2*
Purge/Sample Method	--	--	--	*low flow*	*low flow*	*low flow*	*low flow*	*low flow*	*low flow*
pH	--	6.5 - 8.5	units	8.59	8.24	8.53	8.21	7.37	8.16
Temperature	--	--	deg. C	25.7	24.3	18.4	18.9	18.9	25.2
Specific Conductance	--	--	mS	3.230	1.100	6.980	5.950	2.962	2.662
Turbidity	--	--	NTU	2.10	21.50	14.90	13.70	0.68	39.40
Dissolved Oxygen	--	--	mg/L	5.56	7.07	4.94	5.31	5.87	6.07
ORP	--	--	mV	-18.0	-69.0	-53.0	-83.0	279.2	308.3
Appearance	--	--	--	*clear*	*clear*	*clear*	*clear, sheen*	*clear*	*clear*
Odor	--	--	--	*none*	*none*	*none*	*strong odor*	*none*	*none*
1,4 Dioxane by 8270E-SIM									
1,4-Dioxane	123-91-1	0.35	ug/L	0.842	0.368	131	61.9	761	0.294 U

Notes:

1. NYS Ambient Water Quality Class GA Groundwater Quality Standards/Guidance Values (AWQS/GV); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

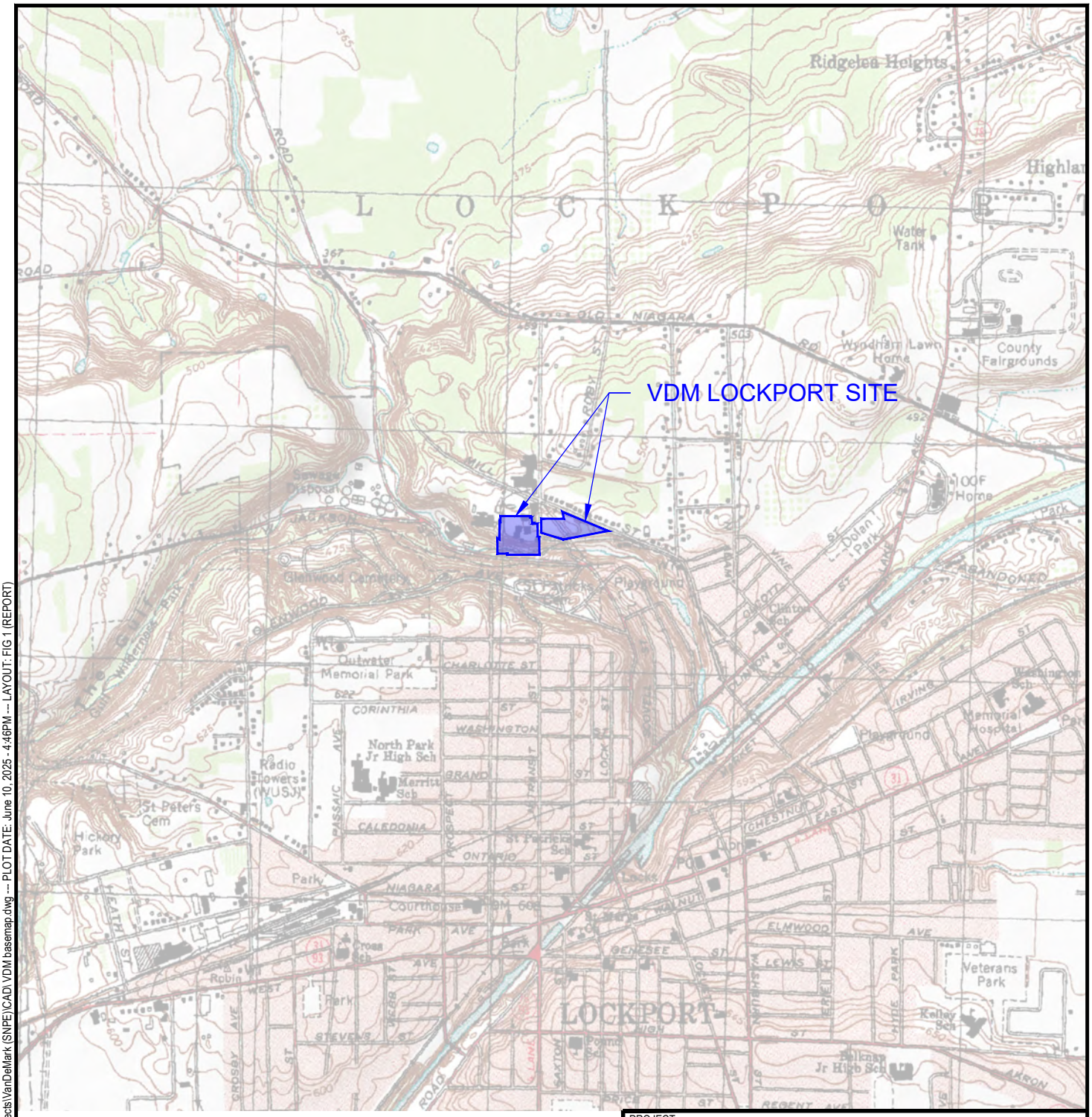
Qualifier Key:

U = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
-- = There is no value for this parameter.

Color Code:

= concentration exceeds the NYSDEC Class GA AWQS/GV.

FIGURES



N

2000' 0' 2000' 4000'

SCALE: 1 INCH = 2000 FEET
SCALE IN FEET
(approximate)

PROJECT:
ANNUAL MONITORING/INSPECTION REPORT
VANDEMARK CHEMICAL, INC.
LOCKPORT, NEW YORK

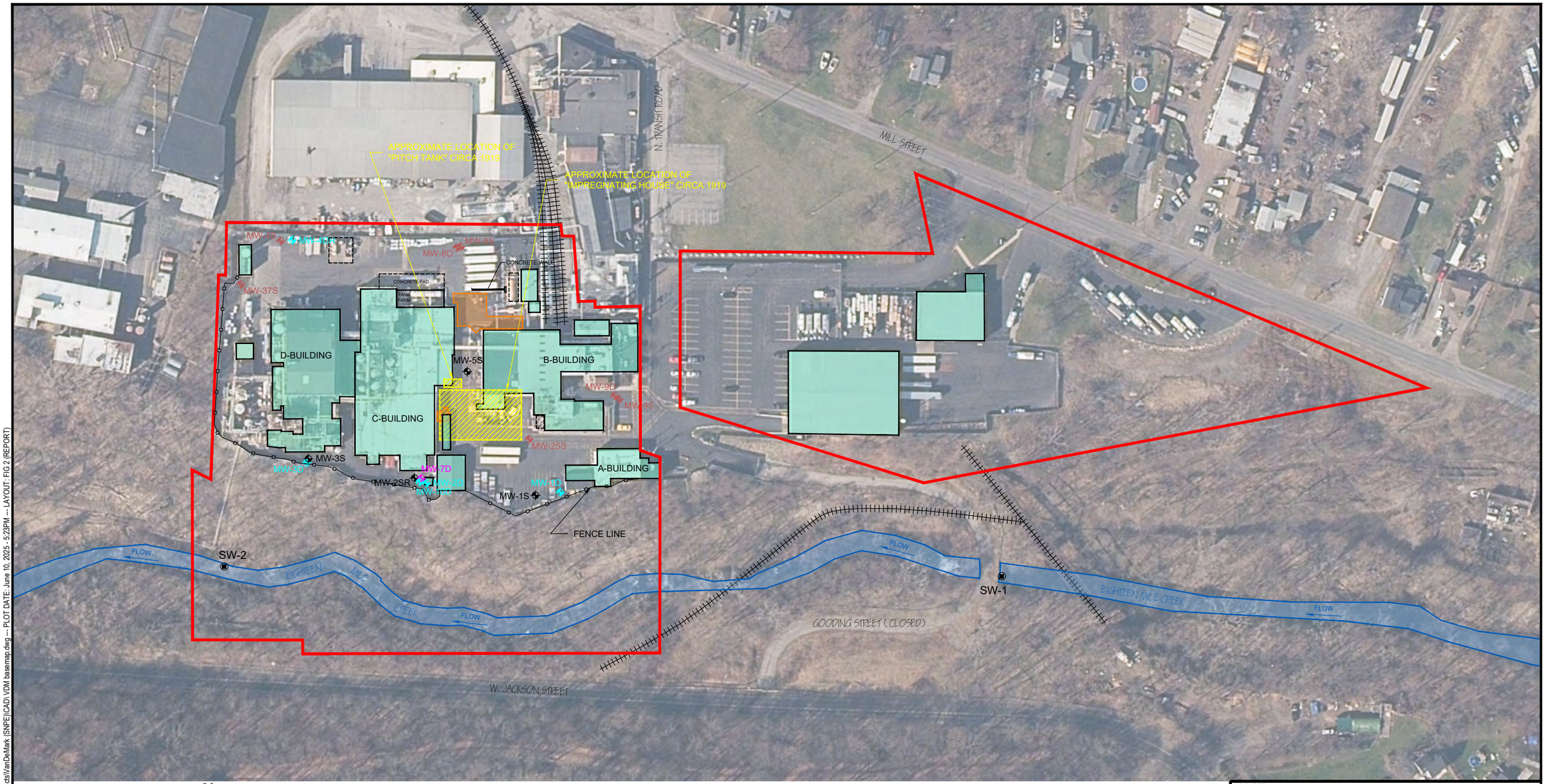
TITLE:
SITE LOCATION & VICINITY MAP

DRAWN BY:	BCH	PROJ NO.:	595396.0000.0000
CHECKED BY:	BMG		
APPROVED BY:	BCH		**FIGURE 1**
DATE:	JUNE 2025		

TRC
1090 Union Road
Suite 280
West Seneca, NY 14224
Phone: 716.289.2409
www.trccompanies.com

FILE NO.: VDM basemap.dwg

8.5x11 -- USER: BHann -- ATTACHED XREFS: -- ATTACHED IMAGES: PARCEL MAP: VDM TOPO:
DRAWING NAME: C:\Users\BHann\OneDrive - TRC\Documents\0 - Projects\VanDeMark (SNPE)\CAD\ VDM basemap.dwg -- PLOT DATE: June 10, 2025 - 4:46PM -- LAYOUT: FIG 1 (REPORT)
Version: 2017-10-21



N

120' 0' 120' 240'

SCALE: 1 INCH = 120 FEET
SCALE IN FEET
(approximate)

LEGEND:

- PROPERTY BOUNDARY
- EXISTING BUILDING
- RAILROAD TRACKS
- 2011 ICM EXCAVATION LIMITS
- MW-5S — 1999 INVESTIGATION OVERBURDEN WELL
- MW-2D — 1999 INVESTIGATION BEDROCK WELL
- MW-8S — 1999 INVESTIGATION OVERBURDEN WELL (DECOMMISSIONED)
- MW-8D — 1999 INVESTIGATION BEDROCK WELL (DECOMMISSIONED)
- MW-7D — 2006 BEDROCK WELL
- SW-1 — 2006 SURFACE WATER LOCATION

PROJECT:
ANNUAL MONITORING/INSPECTION REPORT
VANDEMARK CHEMICAL SITE
LOCKPORT, NEW YORK

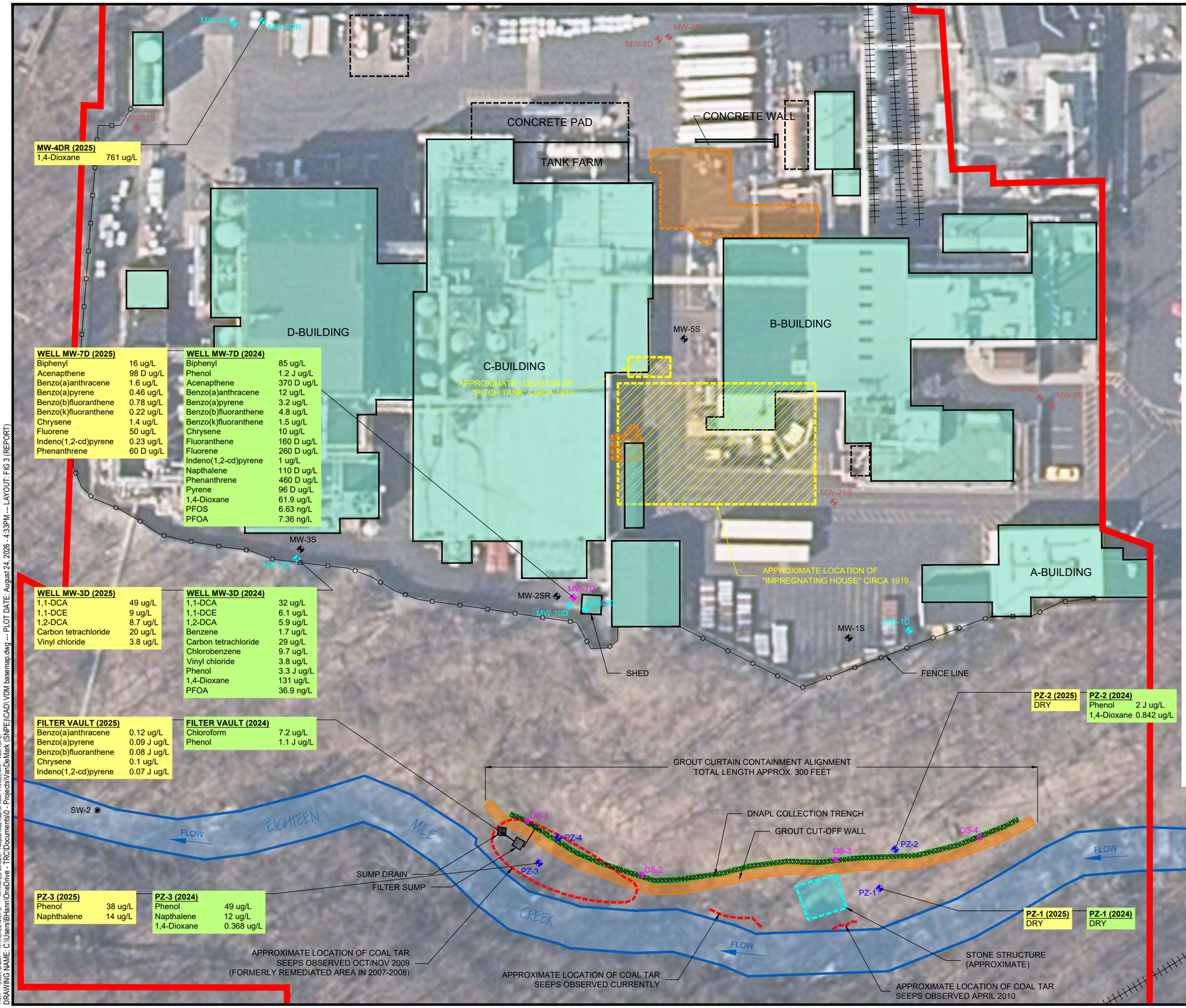
TITLE:
SITE PLAN (AERIAL)

DRAWN BY:	BCH	PROJ NO.:	575626.0000.0000
CHECKED BY:	BMG		**FIGURE 2**
APPROVED BY:	BCH		
DATE:	JUNE 2025		

TRC
1090 Union Road
Suite 280
West Seneca, NY 14224
Phone: 716.289.2409
www.trccompanies.com

FILE NO.: VDM basemap.dwg

1:\47 --- USER: BHann --- ATTACHED XREFS: --- ATTACHED IMAGES: PARCEL MAP - VDM.TIFF;
DRAWING NAME: C:\Users\BHann\OneDrive - TRC\Documents\0 - Projects\VanDeMark (SNPE)\CAD\ VDM basemap.dwg --- PLOT DATE: June 10, 2025 - 5:23PM --- LAYOUT: FIG 2 (REPORT)
Version: 2017-10-21



LEGEND:

- PROPERTY BOUNDARY
- EXISTING BUILDING
- RAILROAD TRACKS
- 2011 ICM EXCAVATION LIMITS
- MW-5S — 1999 INVESTIGATION OVERBURDEN WELL
- MW-2D — 1999 INVESTIGATION BEDROCK WELL
- MW-8S — 1999 INVESTIGATION OVERBURDEN WELL (DECOMMISSIONED)
- MW-8D — 1999 INVESTIGATION BEDROCK WELL (DECOMMISSIONED)
- MW-7D — 2006 BEDROCK WELL
- SW-1 — 2006 SURFACE WATER LOCATION
- PZ-1 — 1-INCH PERFORMANCE MONITORING PIEZOMETER
- OS-1 — 4-INCH DNAPL OBSERVATION SUMP

NOTE: Only groundwater concentrations exceeding the individual AWQS/GVs are shown.

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

PROJECT:
ANNUAL MONITORING/INSPECTION
VANDEMARK CHEMICAL, INC.
LOCKPORT, NEW YORK

TITLE:
CREEK BANK AREA

DRAWN BY:	BCH	PROJ NO.:	595396
CHECKED BY:	BMG		
APPROVED BY:	BCH		**FIGURE 3**
DATE:	JUNE 2025		

TRC
1090 Union Road
Suite 280
West Seneca, NY 14224
Phone: 716.289.2409
www.trccompanies.com

FILE NO.: VDM basemap.dwg

11x17 -- USER: BHann -- ATTACHED XREFS: -- ATTACHED IMAGES: -- Heatherrose.mp4>VDM_PARCEL.MAP - VDM.TPP>
DRAWING NAME: C:\Users\BHann\OneDrive - TRC\Documents\0 - Projects\VanDeMark (SNPE)\CAD\ VDM basemap.dwg -- PLOT DATE: August 24, 2026 - 4:33PM -- LAYOUT: FIG 3 (REPORT)
Version: 2017-10-21

Appendix A

Operations & Monitoring Summary Inspection Forms

O&M SUMMARY

Page 1 of 1

PROJECT TITLE:	Semi-Annual Creek Bank Inspection	JOB NO.:	667048
CLIENT:	SNPE - VanDeMark Chemical	DATE:	8/13/2025

LOCATION:	Lockport, NY			DAY:	Su M Tu (W) Th F Sa		
WEATHER:	Partly Sunny, 80°F	TEMP:	80 °F	START:	11 Am	END:	1315 pm

PERSONNEL ON SITE:

SUMMARY OF FIELD INSPECTION OBSERVATIONS:

1. Effluent Vault

Clear, no odor, no DNAPL, skim coat of light brown sediment on media (< 1/4")
No sediment, no sheen
No sediment in overflow chamber

2. Observation Sumps:

OS-1: Wet (± 3" of water), ± 2" soft sediment, no odor, no DNAPL, hard bottom

OS-2: Dry, rocky bottom, NO odor, no DNAPL

OS-3: ~~no~~ 9 inches of water black sediment, No odor, NO DNAPL, hard bottom

OS-4: Dry, rocky bottom, No odor, no DNAPL

3. Upgradient Slope Observations:

- no DNAPL observed
- Minor channeling and erosion upslope from OS-1 and PZ-4

4. Downgradient Slope Observations:

Two areas of tar residuals were observed; locations are the same as historically located. Recovered ± 1.5 gal of tar residuals manually

- no additional tar residuals were identified
- no erosion, or downed trees were observed

OBSERVATION TEST PITS & RESULTS:

Test Pit No. 1: NA

Test Pit No. 2: NA

Test Pit No. 3: NA

SIGNATURE: [signature] **DATE:** 8/13/2025

O&M SUMMARY

PROJECT TITLE:	Semi-Annual Creek Bank Inspection	JOB NO.:	667048
CLIENT:	SNPE - VanDeMark Chemical	DATE:	12/2/2025

LOCATION:	Lockport, NY			DAY:	Su M (Tu) W Th F Sa		
WEATHER:	Cloudy, light snow, 28°F	TEMP:	28 °F	START:	1000	END:	1115

PERSONNEL ON SITE: BCH, Taylor Compton (VDM), Steve Moeller (DEC)

SUMMARY OF FIELD INSPECTION OBSERVATIONS:

1. Effluent Vault

clear water, skim coat of light brown sediment on media (<1/2")
No sheen, no NAPL, no odor
No sediment in overflow chamber, hard bottom, no sheen, no odor, no NAPL

2. Observation Sumps:

OS-1: ~~Dry~~ 4.5' water, 0.3' soft sediment, no odor, no NAPL
hard bottom

OS-2: Dry, hard bottom, no water, no odor, no NAPL

OS-3: No odor, no NAPL
1.6' water, 0.5' soft sediment, hard bottom (rocky)

OS-4: Dry hard bottom, no water, no odor, no NAPL
~~1.0' water, 0.1' soft sediment, hard bottom~~

3. Upgradient Slope Observations:

- No NAPL observed ⇒ snow covered

4. Downgradient Slope Observations:

Snow cover precluded identification of tar residuals along Creek Bank.
TRC attempted to brush away snow, no tar residuals observed in the usual areas.

OBSERVATION TEST PITS & RESULTS:

Test Pit No. 1: NA

Test Pit No. 2: NA

Test Pit No. 3: NA

SIGNATURE: [signature] DATE: 12/2/2025

Appendix B

August 2025 Inspection Photographs

SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1. Exterior, Creek Bank Area looking west from east end of Creek Bank Area; observation sump OS-4 at center.

Photo 2. Exterior, looking southwest at piezometer PZ-1 and vicinity.

Photo 3. Exterior, looking east at piezometer PZ-2 and vicinity.

Photo 4. Exterior, looking east at sampling piezometer PZ-2; piezometer was determined to be dry and was not sampled.

SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5. Exterior, looking west at observation sump OS-3 and vicinity.

Photo 6. Exterior, looking east at observation sump OS-2 and vicinity.

Photo 7. Exterior, looking west at central portion of Creek Bank Area, observation sump OS-3 at center right.

Photo 8. Exterior, looking east at sampling piezometer PZ-3.

SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9. Exterior, looking north at observation sump OS-1 and vicinity.

Photo 10. Exterior, looking north at piezometer PZ-4 and vicinity.

Photo 11. Exterior, looking west at Filter Sump, discharge area (background), and vicinity.

Photo 12. Exterior, looking west at Filter Sump.

SITE PHOTOGRAPHS

Photo 13:



Photo 14:



Photo 15:



Photo 16:



Photo 13. Exterior, Filter Sump interior.

Photo 14. Exterior, looking north at Creek Bank Area upslope and vicinity.

Photo 15. Exterior, looking northeast at Creek Bank Area upslope and vicinity.

Photo 16. Exterior, looking west at Creek Bank Area central area, around Stone Structure area (arrow).

SITE PHOTOGRAPHS

Photo 17:



Photo 18:



Photo 19:



Photo 20:

Photo 17. Exterior, central area of Creek Bank Area, adjacent to and west of Stone Structure, where manually recovered tar residuals were identified and collected.

Photo 18. Exterior, central area of Creek Bank Area, adjacent to and west of Stone Structure, where manually recovered tar residuals were identified and collected.

Photo 19. Exterior, recovered tar residuals.

Photo 20. None.

Appendix C

December 2025 Inspection Photographs

SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1. Exterior, east side of the Creek Bank Area looking west; observation sump OS-4 is at center.

Photo 2. Exterior, looking southwest from the east side of the Creek Bank Area; piezometer PZ-1 is at center.

Photo 3. Exterior, looking east from the east side of the Creek Bank Area; piezometer PZ-2 (at center left) is shown.

Photo 4. Exterior, looking west at central portion of Creek Bank Area.

SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:

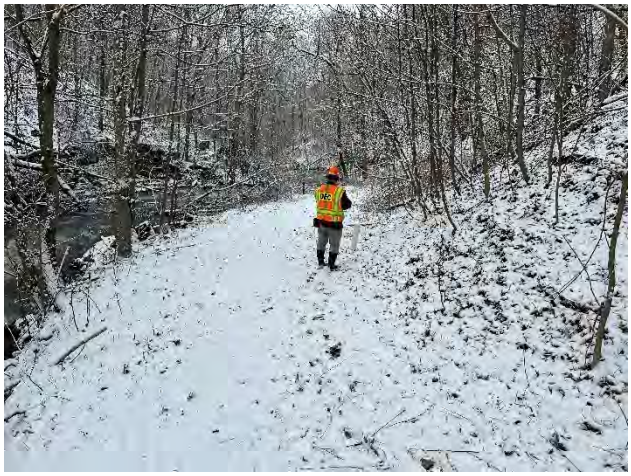


Photo 8:



Photo 5. Exterior, looking west along Creek Bank Area at observation sump OS-3.

Photo 6. Exterior, looking east along Creek Bank Area; observation sump OS-2 at left.

Photo 7. Exterior, looking west along Creek Bank Area; observation sump OS-2 at right of NYSDEC representative.

Photo 8. Exterior, looking south toward Eighteen Mile Creek (background); piezometer PZ-3 is at center right.

SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9. Exterior, looking upslope of Creek Bank Area; observation sump OS-1 is at center.

Photo 10. Exterior, observation sump OS-1 with riser removed.

Photo 11. Exterior, looking east and upslope of Creek Bank Area, west end; piezometer PZ-4 at center.

Photo 12. Exterior, looking west at Filter Vault, discharge area, and vicinity.

SITE PHOTOGRAPHS

Photo 13:



Photo 14:



Photo 15:



Photo 16:



Photo 13. Exterior, Filter Vault.

Photo 14. Exterior, inside Filter Vault showing skim coat of sediment on sand media, water clarity, and no sediment in overflow chamber. No DNAPL, sheen, or odors were observed.

Photo 15. Exterior, looking east along Creek Bank Area, west side.

Photo 16. Exterior, central portion of Creek Bank Area looking downslope and east along Eighteen Mile Creek bank (at right); Stone Structure in background (arrow).

SITE PHOTOGRAPHS

Photo 17:



Photo 18:



Photo 19:



Photo 20:



Photo 17. Exterior, looking north at piezometer PZ-4 and vicinity.

Photo 18. Exterior, looking south at piezometer PZ-3 and vicinity; Eighteen Mile Creek in background.

Photo 19. Exterior, looking south at historical tar residual area along bank; Eighteen Mile Creek in background. Tar residuals were not observed nor recovered due to snow cover.

Photo 20. Exterior, looking west at historical tar residual area along bank; Eighteen Mile Creek at left. Tar residuals were not observed nor recovered due to snow cover.

Appendix D

Field Forms

GROUNDWATER FIELD FORM

Project Name: SNPE-VDM - Annual GWM Date: 8/13/2025

Location: Lockport, NY Project No.: 667048 Field Team: LC, BCH

Well No.	PZ-1	Diameter (inches):	1	Sample Date / Time:	8/13/2025 13:00
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):		One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	10.61	Total Volume Purged (gal):		Purge Method:	Low-Flow via Peristaltic Pump

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

DRY

Well No.	PZ-2	Diameter (inches):	1	Sample Date / Time:	8/13/2025 13:05
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):		One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	7.62	Total Volume Purged (gal):		Purge Method:	Low-Flow via Peristaltic Pump

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

DRY

REMARKS: Well Details

Well	TOR (fmsl)	Grade (fmsl)	Stick-up (ft)
PZ-1	143.14	140.50	2.64
PZ-2	145.31	142.20	3.11

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

GROUNDWATER FIELD FORM

Project Name: SNPE-VDM - Annual GWM | Date: 8/13/2025

Location: Lockport, NY | Project No.: 667048 | Field Team: LC, BCH

Well No.	PZ-3	Diameter (inches):	1	Sample Date / Time:	8/13/2025 11:00
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):		One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	9.13	Total Volume Purged (gal):		Purge Method:	Low-Flow via Peristaltic Pump

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0	Initial								
	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									

meter malfunction

Sample Information:

	S1									
	S2									

Well No.	PZ-4	Diameter (inches):	1	Sample Date / Time:	8/13/2025 11:50
Product Depth (fbTOR):	NA	Water Column (ft):	5.84	DTW when sampled:	6.32
DTW (static) (fbTOR):	4.54	One Well Volume (gal):	0.24	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	10.38 10.38	Total Volume Purged (gal):	0.9	Purge Method:	Low-Flow via Peristaltic Pump

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO ~~(mg/L)~~ %	ORP (mV)	Appearance & Odor
1120	0	Initial	0.0	8.77	16.7	3.663	26.75	29.8	115.2	clear, none
1125	1	6.02	0.2	8.25	16.3	3.664	8.47	23.8	129.6	
1130	2	7.98	0.3	8.05	16.2	3.667	2.29	19.5	138.2	slowed pump
1135	3	6.78	0.5	7.86	16.3	3.687	0.92	16.1	149.1	
1140	4	6.57	0.7	7.74	16.2	3.681	0.54	12.8	155.1	
1145	5	6.57	0.9	7.54	16.2	3.663	0.53	10.2	162.7	
	6									
	7									
	8									
	9									
	10									

Sample Information:

1150	S1	6.32	1.1	7.68	16.5	3.702	0.42	43.6	179.5	clear, none
	S2									

REMARKS: Well Details

Well	TOR (fmsl)	Grade (fmsl)	Stick-up (ft)
PZ-3	124.82	122.70	2.12
PZ-4	126.11	123.90	2.21

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

TRC

GROUNDWATER FIELD FORM

Project Name: SNPE-VDM - Annual GWM
Location: Lockport, NY
Project No.: 667048
Date: 08/13/25
Field Team: URL BCH

Well No.	MW-3D	Diameter (inches):	2	Sample Date / Time:	1340
Product Depth (fbTOR):	N/A	Water Column (ft):	7.47	DTW when sampled:	Meter malfunction
DTW (static) (fbTOR):	38.01	One Well Volume (gal):	1.2	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	46.48 45.61	Total Volume Purged (gal):	3	Purge Method:	Dedicated submersible pump & tubing

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1330	0	Initial	0.0	8.02	20.3	5.634	55.19	72.7	451.5	sulfur odor
1332	1	N/A	0.5	7.87	18.6	5.682	48.73	58.5	465.3	
1334	2		1.0	7.69	17.9	5.522	18.49	52.7	445.8	
1336	3		2.0	7.59	17.4	2.723	4.64	46.0	418.2	
1338	4		2.5	7.55	17.5	5.561	1.52	50.0	402.7	
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1342	S1	N/A	3	7.44	18.3	2.490	0.0	46.1	389.5	Turbidity ok Dedicated pump
	S2									

Well No.	MW-7D	Diameter (inches):	2	Sample Date / Time:	08/13/25 1510
Product Depth (fbTOR):	N/A	Water Column (ft):	15	DTW when sampled:	
DTW (static) (fbTOR):	30.72	One Well Volume (gal):	2.5	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	46.62 46.95	Total Volume Purged (gal):	~7	Purge Method:	~~Dedicated submersible pump & tubing~~ → bailed

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1500	0	~~Initial~~	2.5	8.22	20.9	0.054	272.5	91.6	386.2	brown tint color sheen
1505	1		2.5	8.45	16.7	5.679	70.5	94.7	339.7	
1509	2	33.48	2.5	7.97	15.9	5.579	53.12	54.2	326.8	
	3									
	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1510	S1	33.48	2.5	7.87	16.9	5.545	30.82	46.5	316.5	clear, sl. sheen sl. petro
	S2									

REMARKS: Well Details

Well	TOR (fmsl)	Grade (fmsl)	Stick-up (ft)
MW-3D	200.90	201.00	-0.10
MW-7D	195.40	195.50	-0.10

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

GROUNDWATER FIELD FORM

Project Name: SNPE-VDM - Annual GWM
Location: Lockport, NY
Project No.: 667048
Date: 8/13/2025
Field Team: LC, BCH

Well No.	MW-4D	Diameter (inches):	2.0	Sample Date / Time:	8/13/2025 1550
Product Depth (fbTOR):	N/A	Water Column (ft):	11.17	DTW when sampled:	24.66
DTW (static) (fbTOR):	24.13	One Well Volume (gal):	0.46	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	35.30 ~~35.00~~	Total Volume Purged (gal):	~1	Purge Method:	HD polyethylene bailer

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO ~~(mg/L)~~ %	ORP (mV)	Appearance & Odor
1535	0	Initial	0.0	7.85	22.2	3.056	2.79	79.1	317.6	
1538	1	24.13	0.3	7.68	19.6	2.932	5.82	66.1	302.1	
1540	2	24.14		7.46	19.1	1.348	4.75	60.8	298.4	
1543	3	24.42		7.51	18.4	2.951	2.69	65.7	294.4	
1545	4			7.48	18.8	1.341	2.00	64.9	290.0	
	5				?					
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1550	S1	24.66	1	7.37	18.9	2.962	0.68	58.7	279.2	clear, none
	S2									

Well No.	MW-5S	Diameter (inches):	2.0	Sample Date / Time:	1625
Product Depth (fbTOR):	N/A	Water Column (ft):	7.35	DTW when sampled:	4.39
DTW (static) (fbTOR):	4.40	One Well Volume (gal):	0.10	Purpose: ☐ Development ☐ Sample ☑ Purge & Sample	
Total Depth (fbTOR):	6.75 14.25	Total Volume Purged (gal):	0.5	Purge Method:	HD polyethylene bailer

Time		Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO ~~(mg/L)~~ %	ORP (mV)	Appearance & Odor
1612	0	Initial	0	7.76	25.2	2.288	558.6	76.0	303.1	orange - brown
1617	1	4.40	0.1	8.14	24.8	2.258	237.8	68.3	302.1	
1620	2	4.38	0.3	8.10	25.1	1.844	190.8	62.6	302.6	
1623	3	4.38	0.4	8.12	25.0	2.27	500.6	62.4	505.4	
~~1626~~	4									
	5									
	6									
	7									
	8									
	9									
	10									
Sample Information:										
1625	S1	4.39	0.5	8.16	25.2	2.662	39.4	60.7	308.3	clear, none
	S2									

REMARKS: Well Details

Well	TOR (fmsl)	Grade (fmsl)	Stick-up (ft)
MW-2D			0.00

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: BCH

WATER SAMPLE COLLECTION LOG

PROJECT INFORMATION

Project Name: SNPE-VDM - Annual Effluent
Project No.: ~~395396~~ 667048
Client: VanDeMark Chemcial (SNPE, Inc.)
Location: Lockport, NY

SAMPLE DESCRIPTION

I.D.: **Filter Vault Effluent**
Matrix: ☐ SURFACE WATER ☐ STORM ☐ SEEP ☐ OTHER ☐ INFLUENT ☑ EFFLUENT

SAMPLE INFORMATION

Date Collected: 8/13/2025
Time Collected: 11:00 Am
Date Shipped to Lab: 8/13/2025
Collected By: BCH
Sample Type: ☐ POINT ☑ GRAB ☐ COMPOSITE
Collection Method: ☑ DIRECT DIP ☐ SS / POLY. DIPPER ☐ PERISTALTIC PUMP ☐ POLY. DISP. BAILER ☐ ISCO SAMPLER ☐ OTHER

SAMPLING INFORMATION

Weather: Partly Sunny
Air Temperature: 80°F

Parameter	First	Last	Units
pH	meter malfunction	NA	units
Temp.			°C
Cond.			mS
Turbidity			NTU
Eh / ORP			mV
D.O.			ppm
Odor	none		olfactory
Appearance	clear		visual

LOCATION SKETCH

(not to scale, dimensions are approximate)



EXACT LOCATION (if applicable)

Northing (ft)	Easting (ft)	Surface Elevation (fmsl)
NA	NA	NA

SAMPLE DESCRIPTION (appearance, olfactory): clear, none

SAMPLE ANALYSIS (depth, laboratory analysis required): TCL VOCs
TCL SVOCs

ADDITIONAL REMARKS:

PREPARED BY: BCH **DATE:** 8/13/2025

TRC

PIEZOMETER INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	WELL I.D.:
Client: SNPE, Inc.	
Job No.: 667048	PZ-1
Date: 8/13/2025	
Time: 12:30pm	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	good
Hinge/Lid:	good
Concrete Surface Seal:	good
Bollards:	NA
Label/I.D.:	good
Other:	

INTERIOR INSPECTION

Well Riser:	1" PVC, good
Annular Space:	good
Well Cap:	J-plug, good
Water Level (fbTOR):	DRY
Total Depth (fbTOR):	10.60
Other:	firm bottom no NAPL, no odors

Comments/Corrective Actions: none

PREPARED BY: [signature] DATE: 8/13/2025

TRC

PIEZOMETER INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	**WELL I.D.:**
Client: SNPE, Inc.	
Job No.: 667048	**PZ-2**
Date: 8/13/2025	
Time: 12:35 pm	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	good
Hinge/Lid:	good
Concrete Surface Seal:	good
Bollards:	NA
Label/I.D.:	good
Other:	

INTERIOR INSPECTION

Well Riser:	1" PVC, good
Annular Space:	good
Well Cap:	J-plug, good
Water Level (fbTOR):	DRY
Total Depth (fbTOR):	7.62
Other:	firm bottom no NAPL, no odors

Comments/Corrective Actions: none

PREPARED BY: BCH DATE: 8/13/2025

TRC

PIEZOMETER INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	**WELL I.D.:**
Client: SNPE, Inc.	
Job No.: 667048	**PZ-3**
Date: 8/13/2025	
Time: 10:15 am	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	good
Hinge/Lid:	good
Concrete Surface Seal:	good
Bollards:	NA
Label/I.D.:	good
Other:	

INTERIOR INSPECTION

Well Riser:	1" PVC, good
Annular Space:	good
Well Cap:	J-Plug, good
Water Level (fbTOR):	
Total Depth (fbTOR):	9.13
Other:	firm bottom no NAPL, no odors

Comments/Corrective Actions: none

PREPARED BY: BCA DATE: 8/13/2025

PIEZOMETER INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	**WELL I.D.:**
Client: SNPE, Inc.	
Job No.: 667048	**PZ-4**
Date: 8/13/2025	
Time: 12:10 pm	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	good
Hinge/Lid:	good
Concrete Surface Seal:	good
Bollards:	NA
Label/I.D.:	good
Other:	

INTERIOR INSPECTION

Well Riser:	1" PVC, good
Annular Space:	good
Well Cap:	J-plug, good
Water Level (fbTOR):	4.54
Total Depth (fbTOR):	10.38
Other:	firm bottom no NAPL, no odors

Comments/Corrective Actions: none

PREPARED BY: [signature] DATE: 8/13/2025

TRC

MONITORING WELL INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	WELL I.D.:
Client: SNPE, Inc.	
Job No.: 667048	**MW-3D**
Date: 8/13/2025	
Time: 1330 pm	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	none missing
Hinge/Lid:	good
Concrete Surface Seal:	good
Bollards:	NA
Label/I.D.:	none
Other:	

INTERIOR INSPECTION

Well Riser:	2" PVC, good
Annular Space:	good
Well Cap:	J-plug, good
Water Level (fbTOR):	38.01
Total Depth (fbTOR):	45.48
Other:	no NAPL, odors sl. sulfur

Comments/Corrective Actions: none

PREPARED BY: BCH DATE: 8/13/2025

MONITORING WELL INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	WELL I.D.:
Client: SNPE, Inc.	
Job No.: 667048	**MW-7D**
Date: 8/13/2025	
Time: 15:00 pm	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	none, missing
Hinge/Lid:	good
Concrete Surface Seal:	good
Bollards:	NA
Label/I.D.:	none
Other:	

INTERIOR INSPECTION

Well Riser:	2" PVC, good
Annular Space:	good
Well Cap:	J-plug, good
Water Level (fbTOR):	30.72
Total Depth (fbTOR):	46.62
Other:	no NAPL, no odors

Comments/Corrective Actions: none

PREPARED BY: [signature] DATE: 8/13/2025

FILTER VAULT INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	WELL I.D.:
Client: SNPE, Inc.	
Job No.: 595396	FILTER VAULT
Date: 8/13/2025	
Time: 11:30 AM	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	good
Hinge/Lid:	good
Concrete Surface Seal:	NA
Bollards:	NA
Label/I.D.:	none
Other:	

INTERIOR INSPECTION

Well Riser:	NA
Annular Space:	
Well Cap:	
Water Level (fbTOR):	
Total Depth (fbTOR):	
Other:	no NAPL, no odors clear water

Comments/Corrective Actions: none

PREPARED BY: BCH DATE: 8/13/2025

MONITORING WELL INSPECTION FORM

Project: SNPE-VDM - Annual Inspection & GWM	WELL I.D.:
Client: SNPE, Inc.	
Job No.: 667048	MW-4DR
Date: 8/13/2025	
Time: 1530 pm	

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	none
Hinge/Lid:	good
Concrete Surface Seal:	needs repair
Bollards:	NA
Label/I.D.:	none
Other:	

INTERIOR INSPECTION

Well Riser:	2" PVC, good
Annular Space:	good
Well Cap:	J-plug, good
Water Level (fbTOR):	24.13
Total Depth (fbTOR):	35.30
Other:	

Comments/Corrective Actions: none

PREPARED BY: BCH DATE: 8/13/2025

MONITORING WELL INSPECTION FORM

Project:	SNPE-VDM - Annual Inspection & GWM	WELL I.D.:	MW-5S
Client:	SNPE, Inc.		
Job No.:	667048		
Date:	8/13/2025		
Time:	14:20 pm		

EXTERIOR INSPECTION

Protective Casing:	good
Lock:	good
Hinge/Lid:	good
Concrete Surface Seal:	good
Bollards:	NA
Label/I.D.:	none
Other:	

INTERIOR INSPECTION

Well Riser:	2" PVC, good
Annular Space:	good
Well Cap:	J-Plug, good
Water Level (fbTOR):	4.40
Total Depth (fbTOR):	6.75
Other:	

Comments/Corrective Actions: none

PREPARED BY: BCH DATE: 8/13/2025

Appendix E

Laboratory Analytical Data Summary Package

ANALYTICAL REPORT

Lab Number:	L2551115
Client:	TRC 1090 Union Road Suite 280 West Seneca, NY 14224
ATTN:	Bryan Hann
Phone:	(716) 870-1165
Project Name:	SNPE/VDM
Project Number:	667048
Report Date:	08/28/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2551115-01	PZ-3-081325	WATER	400 MILL STREET, LOCKPORT, NY	08/13/25 11:00	08/14/25
L2551115-02	PZ-4-081325	WATER	400 MILL STREET, LOCKPORT, NY	08/13/25 11:50	08/14/25
L2551115-03	MW-3D-081325	WATER	400 MILL STREET, LOCKPORT, NY	08/13/25 13:40	08/14/25
L2551115-04	MW-7D-081325	WATER	400 MILL STREET, LOCKPORT, NY	08/13/25 15:10	08/14/25
L2551115-05	MW-4DR-081325	WATER	400 MILL STREET, LOCKPORT, NY	08/13/25 15:50	08/14/25
L2551115-06	MW-5S-081325	WATER	400 MILL STREET, LOCKPORT, NY	08/13/25 16:25	08/14/25
L2551115-08	EFFLUENT-01	WATER	400 MILL STREET, LOCKPORT, NY	08/13/25 11:00	08/14/25

Project Name:	SNPE/VDM	**Lab Number:**	L2551115
Project Number:	667048	**Report Date:**	08/28/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	SNPE/VDM	**Lab Number:**	L2551115
Project Number:	667048	**Report Date:**	08/28/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2551115-02 through -06: The collection date and time were obtained from the container labels.

L2551115-07: A Trip Blank was listed on the Chain of Custody, but not received in the laboratory.

L2551115-08: A sample identified as "EFFLUENT-01" was received, but not listed on the chain of custody. At the client's request, this sample was analyzed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 08/28/25

ORGANICS

VOLATILES

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-01
Client ID: PZ-3-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY
Date Collected: 08/13/25 11:00
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/25/25 13:53
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-01 Date Collected: 08/13/25 11:00

Client ID: PZ-3-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.6		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	114		70-130

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-02
Client ID: PZ-4-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY
Date Collected: 08/13/25 11:50
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/25/25 14:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-02 Date Collected: 08/13/25 11:50

Client ID: PZ-4-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	115		70-130

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-03 Date Collected: 08/13/25 13:40

Client ID: MW-3D-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 08/25/25 14:42

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	49		ug/l	2.5	0.70	1
Chloroform	3.6		ug/l	2.5	0.70	1
Carbon tetrachloride	20		ug/l	0.50	0.13	1
1,2-Dichloropropane	0.48	J	ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.24	J	ug/l	0.50	0.18	1
Chlorobenzene	2.4	J	ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	8.7		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	1.5	J	ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.27	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.8		ug/l	1.0	0.07	1
Chloroethane	1.3	J	ug/l	2.5	0.70	1
1,1-Dichloroethene	9.0		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.88		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-03 Date Collected: 08/13/25 13:40

Client ID: MW-3D-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	9.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	150	J	ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	116		70-130

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-04
Client ID: MW-7D-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY
Date Collected: 08/13/25 15:10
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/25/25 15:07
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	1.5	J	ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.13	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.22	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.20	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-04 Date Collected: 08/13/25 15:10

Client ID: MW-7D-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	117		70-130

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-08
Client ID: EFFLUENT-01
Sample Location: 400 MILL STREET, LOCKPORT, NY
Date Collected: 08/13/25 11:00
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/25/25 15:31
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.3		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-08 Date Collected: 08/13/25 11:00

Client ID: EFFLUENT-01 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	10		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	113		70-130

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/25/25 08:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08 Batch: WG2107545-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/25/25 08:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08 Batch: WG2107545-5					
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/25/25 08:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08 Batch: WG2107545-5					
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2107545-3 WG2107545-4								
Methylene chloride	94		98		70-130	4		20
1,1-Dichloroethane	94		90		70-130	4		20
Chloroform	97		94		70-130	3		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	85		86		70-130	1		20
Dibromochloromethane	86		88		63-130	2		20
1,1,2-Trichloroethane	84		88		70-130	5		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	92		91		75-130	1		20
Trichlorofluoromethane	99		97		62-150	2		20
1,2-Dichloroethane	90		87		70-130	3		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	89		90		67-130	1		20
trans-1,3-Dichloropropene	80		81		70-130	1		20
cis-1,3-Dichloropropene	84		82		70-130	2		20
Bromoform	84		85		54-136	1		20
1,1,2,2-Tetrachloroethane	81		84		67-130	4		20
Benzene	88		88		70-130	0		20
Toluene	89		88		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2107545-3 WG2107545-4								
Ethylbenzene	90		89		70-130	1		20
Chloromethane	90		92		64-130	2		20
Bromomethane	86		95		39-139	10		20
Vinyl chloride	88		88		55-140	0		20
Chloroethane	91		94		55-138	3		20
1,1-Dichloroethene	95		93		61-145	2		20
trans-1,2-Dichloroethene	97		93		70-130	4		20
Trichloroethene	86		88		70-130	2		20
1,2-Dichlorobenzene	92		95		70-130	3		20
1,3-Dichlorobenzene	94		95		70-130	1		20
1,4-Dichlorobenzene	92		93		70-130	1		20
Methyl tert butyl ether	78		83		63-130	6		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	87		88		36-147	1		20
Acetone	86		89		58-148	3		20
Carbon disulfide	91		91		51-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2107545-3 WG2107545-4								
2-Butanone	87		75		63-138	15		20
4-Methyl-2-pentanone	66		67		59-130	2		20
2-Hexanone	71		77		57-130	8		20
Bromochloromethane	98		100		70-130	2		20
1,2-Dibromoethane	86		83		70-130	4		20
1,2-Dibromo-3-chloropropane	82		86		41-144	5		20
Isopropylbenzene	85		86		70-130	1		20
1,2,3-Trichlorobenzene	87		93		70-130	7		20
1,2,4-Trichlorobenzene	86		94		70-130	9		20
Methyl Acetate	90		86		70-130	5		20
Cyclohexane	86		83		70-130	4		20
1,4-Dioxane	102		100		56-162	2		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	82		83		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2107545-3 WG2107545-4								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	100		97		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	107		106		70-130

SEMIVOLATILES

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-01
Client ID: PZ-3-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 11:00
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/27/25 16:13
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	0.78	J	ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-01 Date Collected: 08/13/25 11:00

Client ID: PZ-3-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	38.		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	0.95	J	ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	40		10-120
4-Terphenyl-d14	71		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-01
Client ID: PZ-3-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 11:00
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/22/25 08:30
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	5.8		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	14		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.04	J	ug/l	0.10	0.02	1
Anthracene	0.15		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	1.3		ug/l	0.10	0.03	1
Phenanthrene	1.1		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.16		ug/l	0.10	0.04	1
2-Methylnaphthalene	4.9		ug/l	0.10	0.03	1
Pentachlorophenol	0.08	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-01 Date Collected: 08/13/25 11:00

Client ID: PZ-3-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	62		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-02
Client ID: PZ-4-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 11:50
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/27/25 16:36
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-02 Date Collected: 08/13/25 11:50

Client ID: PZ-4-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.99	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	77		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-02
Client ID: PZ-4-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 11:50
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/22/25 08:47
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-02 Date Collected: 08/13/25 11:50

Client ID: PZ-4-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	93		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-03
Client ID: MW-3D-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 13:40
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/27/25 16:59
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-03 Date Collected: 08/13/25 13:40

Client ID: MW-3D-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	70		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-03
Client ID: MW-3D-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 13:40
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/22/25 09:04
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.06	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.09	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.06	J	ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.06	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-03 Date Collected: 08/13/25 13:40

Client ID: MW-3D-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	68		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-04
Client ID: MW-7D-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 15:10
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/27/25 17:21
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	16.		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	62.		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-04 Date Collected: 08/13/25 15:10

Client ID: MW-7D-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.65	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	2.3		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	45		10-120
4-Terphenyl-d14	76		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-04
Client ID: MW-7D-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 15:10
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/22/25 09:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	96	E	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	23		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	6.2		ug/l	0.10	0.02	1
Benzo(a)anthracene	1.6		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.46		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.78		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	0.22		ug/l	0.10	0.03	1
Chrysene	1.4		ug/l	0.10	0.03	1
Acenaphthylene	1.5		ug/l	0.10	0.02	1
Anthracene	6.0		ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.18		ug/l	0.10	0.02	1
Fluorene	50		ug/l	0.10	0.03	1
Phenanthrene	57	E	ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	0.09	J	ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.23		ug/l	0.10	0.02	1
Pyrene	13		ug/l	0.10	0.04	1
2-Methylnaphthalene	2.7		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-04 Date Collected: 08/13/25 15:10

Client ID: MW-7D-081325 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	66		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-04 D
Client ID: MW-7D-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 15:10
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/25 15:29
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	98		ug/l	0.50	0.12	5
Phenanthrene	60		ug/l	0.50	0.20	5

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-05 D
Client ID: MW-4DR-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 15:50
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/26/25 19:51
Analyst: DMC

Extraction Method: EPA 3510C
Extraction Date: 08/16/25 16:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	761000		ng/l	600	67.8	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	38		15-110

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-06
Client ID: MW-5S-081325
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 16:25
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/25 14:54
Analyst: DMC

Extraction Method: EPA 3510C
Extraction Date: 08/16/25 16:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	294	33.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	34		15-110

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-08
Client ID: EFFLUENT-01
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 11:00
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/27/25 17:44
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-08 Date Collected: 08/13/25 11:00

Client ID: EFFLUENT-01 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**14**	Q	21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	27		10-120
4-Terphenyl-d14	70		41-149

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-08
Client ID: EFFLUENT-01
Sample Location: 400 MILL STREET, LOCKPORT, NY

Date Collected: 08/13/25 11:00
Date Received: 08/14/25
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/22/25 09:37
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.13		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.12		ug/l	0.10	0.03	1
Benzo(a)pyrene	0.09	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.08	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	0.10		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.07	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	0.21		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	0.07	J	ug/l	0.10	0.02	1
Pyrene	0.20		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: SNPE/VDM **Lab Number:** L2551115

Project Number: 667048 **Report Date:** 08/28/25

SAMPLE RESULTS

Lab ID: L2551115-08 Date Collected: 08/13/25 11:00

Client ID: EFFLUENT-01 Date Received: 08/14/25

Sample Location: 400 MILL STREET, LOCKPORT, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**17**	Q	21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	68		41-149

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/19/25 16:50
Analyst: MC

Extraction Method: EPA 3510C
Extraction Date: 08/16/25 16:11

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 05-06 Batch: WG2103793-1					
1,4-Dioxane	76.8	J	ng/l	300	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	40		15-110

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/27/25 12:28
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08 Batch: WG2104967-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	1.8	J	ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/27/25 12:28
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08 Batch: WG2104967-1					
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/27/25 12:28
Analyst: SMZ

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,08 Batch: WG2104967-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	81		41-149

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/21/25 10:59
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04,08 Batch: WG2104968-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/21/25 10:59
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/25 04:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04,08 Batch: WG2104968-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 05-06		Batch: WG2103793-2		WG2103793-3			
1,4-Dioxane	118		124		40-140	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	41		38		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2104967-2 WG2104967-3								
Bis(2-chloroethyl)ether	61		67		40-140	9		30
3,3'-Dichlorobenzidine	70		82		40-140	16		30
2,4-Dinitrotoluene	72		81		48-143	12		30
2,6-Dinitrotoluene	69		78		40-140	12		30
4-Chlorophenyl phenyl ether	63		72		40-140	13		30
4-Bromophenyl phenyl ether	67		76		40-140	13		30
Bis(2-chloroisopropyl)ether	62		66		40-140	6		30
Bis(2-chloroethoxy)methane	64		67		40-140	5		30
Hexachlorocyclopentadiene	70		72		40-140	3		30
Isophorone	61		67		40-140	9		30
Nitrobenzene	65		70		40-140	7		30
NDPA/DPA	67		78		40-140	15		30
n-Nitrosodi-n-propylamine	63		70		29-132	11		30
Bis(2-ethylhexyl)phthalate	72		87		40-140	19		30
Butyl benzyl phthalate	80		94		40-140	16		30
Di-n-butylphthalate	73		91		40-140	22		30
Di-n-octylphthalate	76		89		40-140	16		30
Diethyl phthalate	68		80		40-140	16		30
Dimethyl phthalate	67		77		40-140	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2104967-2 WG2104967-3								
Biphenyl	65		73		40-140	12		30
4-Chloroaniline	68		56		40-140	19		30
2-Nitroaniline	75		82		52-143	9		30
3-Nitroaniline	72		81		25-145	12		30
4-Nitroaniline	73		85		51-143	15		30
Dibenzofuran	67		75		40-140	11		30
1,2,4,5-Tetrachlorobenzene	67		74		2-134	10		30
Acetophenone	68		72		39-129	6		30
2,4,6-Trichlorophenol	51		56		30-130	9		30
p-Chloro-m-cresol	63		70		23-97	11		30
2-Chlorophenol	53		58		27-123	9		30
2,4-Dichlorophenol	55		57		30-130	4		30
2,4-Dimethylphenol	34		37		30-130	8		30
2-Nitrophenol	61		65		30-130	6		30
4-Nitrophenol	43		46		10-80	7		30
2,4-Dinitrophenol	61		70		20-130	14		30
4,6-Dinitro-o-cresol	63		68		20-164	8		30
Phenol	34		38		12-110	11		30
2-Methylphenol	56		60		30-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2104967-2 WG2104967-3								
3-Methylphenol/4-Methylphenol	61		64		30-130	5		30
2,4,5-Trichlorophenol	57		63		30-130	10		30
Carbazole	69		84		55-144	20		30
Atrazine	79		93		40-140	16		30
Benzaldehyde	125		136		40-140	8		30
Caprolactam	28		31		10-130	10		30
2,3,4,6-Tetrachlorophenol	51		57		40-140	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	38		42		21-120
Phenol-d6	30		33		10-120
Nitrobenzene-d5	67		71		23-120
2-Fluorobiphenyl	67		72		15-120
2,4,6-Tribromophenol	52		62		10-120
4-Terphenyl-d14	69		83		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2104968-2 WG2104968-3								
Acenaphthene	64		76		40-140	17		40
2-Chloronaphthalene	66		75		40-140	13		40
Fluoranthene	57		75		40-140	27		40
Hexachlorobutadiene	65		73		40-140	12		40
Naphthalene	62		69		40-140	11		40
Benzo(a)anthracene	66		86		40-140	26		40
Benzo(a)pyrene	74		98		40-140	28		40
Benzo(b)fluoranthene	75		97		40-140	26		40
Benzo(k)fluoranthene	66		86		40-140	26		40
Chrysene	62		83		40-140	29		40
Acenaphthylene	65		75		40-140	14		40
Anthracene	60		76		40-140	24		40
Benzo(ghi)perylene	80		108		40-140	30		40
Fluorene	62		75		40-140	19		40
Phenanthrene	58		75		40-140	26		40
Dibenzo(a,h)anthracene	76		100		40-140	27		40
Indeno(1,2,3-cd)pyrene	82		107		40-140	26		40
Pyrene	56		74		40-140	28		40
2-Methylnaphthalene	63		70		40-140	11		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04,08 Batch: WG2104968-2 WG2104968-3								
Pentachlorophenol	62		79		40-140	24		40
Hexachlorobenzene	56		72		40-140	25		40
Hexachloroethane	67		72		40-140	7		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		37		21-120
Phenol-d6	28		30		10-120
Nitrobenzene-d5	64		68		23-120
2-Fluorobiphenyl	64		72		15-120
2,4,6-Tribromophenol	51		64		10-120
4-Terphenyl-d14	54		70		41-149

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2551115-01A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-01B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-01C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-01D	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-01E	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-02A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-02B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-02C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-02D	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-02E	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-03A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-03B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-03C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-03D	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-03E	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-04A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-04B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-04C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-04D	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-04E	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: SNPE/VDM
Project Number: 667048

Lab Number: L2551115
Report Date: 08/28/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2551115-05A	Amber 250ml unpreserved	NA	NA			Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2551115-05B	Amber 250ml unpreserved	NA	NA			Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2551115-06A	Amber 250ml unpreserved	NA	NA			Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2551115-06B	Amber 250ml unpreserved	NA	NA			Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2551115-08A	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-08B	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-08C	Vial HCl preserved	NA	NA			Y	Absent		NYTCL-8260-R2(14)
L2551115-08D	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2551115-08E	Amber 100ml unpreserved	NA	NA			Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name:	SNPE/VDM	**Lab Number:**	L2551115
Project Number:	667048	**Report Date:**	08/28/25

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SNPE/VDM	**Lab Number:**	L2551115
Project Number:	667048	**Report Date:**	08/28/25

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers

Project Name:	SNPE/VDM	**Lab Number:**	L2551115
Project Number:	667048	**Report Date:**	08/28/25

Data Qualifiers

estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: SNPE/VDM
Project Number: 667048
Lab Number: L2551115
Report Date: 08/28/25

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
MA M-MA00030, CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

For a complete listing of analytes and methods, please contact your Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 8/15/25

ALPHA Job #: L2551115

Client Information

Client: IEC
Address: 1090 Union Rd, Suite 2 W. Seneca, NY
Phone: 716-336-5544
Fax:
Email: ICappellano@trccompanies.com

Project Information

Project Name: SNPE/VDM
Project Location: 400 Mill Street, Lockport, NY
Project # 667048
(Use Project name as Project #)
Project Manager: Bryan Hann
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs TCL-8260	SVOCs TCL-8270E	AZ-1-4, dioxane	Sample Filtration / Preservation	Total # Bottles
51115-01	PZ-3-081325	8/13	1100	GW	LAL	X	X			
02	PZ-4-081325		1150							
03	MW-5D-081325		1340							
04	MW-7D-081325		1510							
05	MW-4DR081325		1550					X		
06	MW-5S-081325		1625					X		
07	Trip Blank	8/13		W	LAL	X				

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/14/25 8:40	[signature]	8-14-25 8:40
[signature]	8-14-25 8:45	[signature]	8-14-25 8:45
[signature]	8-14-25 15:14	[signature]	8/14 2300
[signature]	8/15 0300	AL	08/15/25 03:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 8/15/25

ALPHA Job #: L2551115

Client Information

Client: IEC
Address: 1090 Union Rd, Suite 2 W. Seneca, NY
Phone: 716-336-5544
Fax:
Email: RCappellano@trecamp.com

Project Information

Project Name: SNPE/VDM
Project Location: 400 Mill Street, Lockport, NY
Project # 667048
(Use Project name as Project #)
Project Manager: Bryan Hann
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs TCL-8260	SVOCs TCL-8270E	AZ-1-4, dioxane	Sample Filtration / Preservation	Total # Bottles	Sample Specific Comments
5115-01	P2-3-081325	8/13	1100	GW	LPC	X	X				
02	P2-4-081325		1150								
03	MW-5D-081325		1340								
04	MW-7D-081325		1510								
05	MW-4DR-081325		1550					X			
06	MW-5S-081325		1625					X			
07	Trip Blank	8/13		WW	LPC	X					
	L2551115-08: EFFLUENT-01	8/13/25	11:00	WATER	LPC	X	X				

Sample Filtration: [ ] Done [ ] Lab to do
Preservation: [ ] Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/14/25 8:40	[signature]	8-14-25 8:40
[signature]	8-14-25 8:45	[signature]	8-14-25 8:45
[signature]	8-14-25 15:14	[signature]	8/14 2300
[signature]	8/15 0300	[signature]	08/15/25 03:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Sample Delivery Group Summary

Pace Job Number : L2551115

Account Name : TRC
Project Number : 667048
Project Name : SNPE/VDM

Received : 14-AUG-2025
Reviewer : Kevin Law

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	5.3	

Condition Information

1) All samples on COC received?		**NO**
Following samples were not received:	-07	
2) Extra samples received?		**YES**
Following additional samples were received:	-08	
3) Are there any sample container discrepancies?		**NO**
4) Are there any discrepancies between COC & sample labels?		**NO**
5) Are samples in appropriate containers for requested analysis?		**YES**
6) Are samples properly preserved for requested analysis?		**YES**
7) Are samples within holding time for requested analysis?		**YES**
8) All sampling equipment returned?		**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

Appendix F

Historical Groundwater & Vault Monitoring Results

(2013 to Present)

TABLE F-1

HISTORICAL MONITORING RESULTS (2013 TO PRESENT)
FILTER VAULT

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site
Order on Consent: R9-20080205-5
Lockport, New York

Parameter [1]	AWQS [2]	AWQGV [2]	Units	Laboratory ID, Sample Date, Reported Concentration																	
				130617007-001 06/13/2013	130930005-006B 09/26/2013	480-62067-2 06/17/2014	480-71961-4 11/25/2014	480-80722-4 05/20/2015	480-90488-4 11/04/2015	480-101786-4 06/16/2016	480-109820-4 11/17/2016	480-117975-4 05/12/2017	480-127262-4 11/08/2017	480-136146-4 05/17/2018	480-154189-3 05/29/2019	480-169674-4 05/07/2020	480-184953-4 05/19/2021	480-19661-4 06/03/2022	L2330368-01 05/31/2023	L2428286-09 5/21/2024	L2551115-08 8/13/2025
Volatile Organics by GC/MS (US EPA Method 8260B)																					
1,1,1-Trichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.6	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	0.62 J	-	-	-	0.51	-	-
1,2-Dichloropropane	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NV	50	ug/L	1.8 J, B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Benzene	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	60	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	7	NV	ug/L	4.2 J	2.5 U	3.7	9.6	2.4	11	1.7	3.6	16	27	9.7	19	17	8.2	11	10	7.2	3.3
cis-1,2-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS (US EPA Method 8270C)																					
2,4-Dimethylphenol	1	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol & 3-Methlyphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	20	NV	ug/L	-	-	-	0.86 JB*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	0.07 J
Benzaldehyde	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	NV	0.002	ug/L	-	-	-	3.1 J	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12
Benzo(a)pyrene	ND	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09 J
Benzo(b)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	0.08 J
Benzo(g,h,i)perylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	0.04 J
Benzo(k)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Biphenyl	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	5	NV	ug/L	-	-	-	-	7.9	3.2 J	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	5	50	ug/L	-	-	-	-	-	0.47 JB	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Dibenzo(a,h)anthracene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Dibenzofuran	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	50	NV	ug/L	1.2 J, B	-	-	-	-	-	-	-	-	-	-	-	-	0.35 J B	-	-	-	-
Di-n-octyl phthalate	NV	50	ug/L		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13
Fluorene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.04	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	NV	0.002	ug/L		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	0.07 J
Isophorone	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	10	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	0.11
Nitrobenzene	0.4	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.21
Phenol	1*	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1 J	-
Pyrene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2

Notes:
1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one Network Groundwater sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards (AWQSs)/Guidance Values (AWQGVs); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

Qualifier Key:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
B = The analyte was detected above the reporting limit in the associated method blank.
" - " = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
* = The sum of all phenols.
NV = No AWQS/GV for this parameter.

Color Code:
= Value exceeds the individual AWQS.
= Value exceeds the individual AWQGV.

TABLE F-2

HISTORICAL MONITORING RESULTS (2013 TO PRESENT)
MW-3D

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site
Order on Consent: R9-20080205-5
Lockport, New York

Parameter [1]	AWQS [2]	AWQGV [2]	Units	Laboratory ID, Sample Date, Reported Concentration							
				130617007-003 06/13/2013	130930005-001B 09/26/2013	480-169674-7 05/07/2020	480-184953-7 05/19/2021	480-198661-7 06/03/2022	L2330368-05 05/31/2023	L2428286-02 5/21/2024	L2551115-03 08/13/2025
Volatile Organics by GC/MS (US EPA Method 8260B)											
1,1,1-Trichloroethane	5	NV	ug/L	11	13	-	-	-	4.3	1.3 J	1.5 J
1,1-Dichloroethane	5	NV	ug/L	87	120	0.66 J	-	-	95	32	49
1,1-Dichloroethene	5	NV	ug/L	27	38	-	-	-	18	6.1	9
1,2-Dichloroethane	0.6	NV	ug/L	17	23	1.2	-	-	11	5.9	8.7
1,2-Dichloropropane	1	NV	ug/L	-	-	-	-	-	0.59 J	0.31 J	0.48 J
2-Butanone	NV	50	ug/L	-	-	-	-	-	-	-	-
Acetone	NV	50	ug/L	-	-	-	-	-	5.3	-	9.2
Benzene	1	NV	ug/L	-	-	0.76 J	-	-	2.5	1.7	0.27 J
Carbon disulfide	60	NV	ug/L	-	-	-	-	-	-	-	-
Carbon tetrachloride	5	NV	ug/L	-	-	-	-	-	6.9	29	20
Chlorobenzene	5	NV	ug/L	-	-	11	12	16 F1	26	9.7	2.4 J
Chloroethane	5	NV	ug/L	-	-	-	-	-	1.4 J	-	1.3 J
Chloroform	7	NV	ug/L	-	-	-	-	0.74 J	3	3.6	3.6
cis-1,2-Dichloroethene	5	NV	ug/L	-	-	-	-	-	0.73 J	-	-
Ethylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-
Isopropylbenzene	5	NV	ug/L	-	-	0.81 J	-	-	-	-	-
Methylene Chloride	5	NV	ug/L	-	-		-	-	-	-	-
Tetrachloroethene	5	NV	ug/L	-	-	-	-	-	0.55	0.38 J	0.24 J
Trichloroethene	5	NV	ug/L	-	-	-	-	0.94 J	1.9	1.2	0.88
Vinyl chloride	2	NV	ug/L	17	26	-	-	-	15	3.8	3.8
Xylenes, Total	5	NV	ug/L	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS (US EPA Method 8270C)											
2,4-Dimethylphenol	NV	50	ug/L	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NV	NV	ug/L	-	-	-	-	-	-	0.08 J	0.04 J
2-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-
2-Nitroaniline	5	NV	ug/L	-	-	-	-	-	-	-	-
4-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-
4-Methylphenol & 3-Methlyphenol	1	NV	ug/L	-	-	-	-	-	-	-	-
Acenaphthene	NV	20	ug/L	2.5 J	2.9 J	44	-	0.86 JF1	0.69	0.1	0.06 J
Acenaphthylene	NV	NV	ug/L	-	-	-	-	-	0.04 J	0.03 J	-
Anthracene	NV	50	ug/L	-	-	-	-	-	0.06 J	-	0.04 J
Benzaldehyde	NV	NV	ug/L	-	-	-	-	-	-	-	-
Benzo(a)anthracene	NV	0.002	ug/L	-	-	-	-	-	0.06 J	-	-
Benzo(a)pyrene	Non-Detect	NV	ug/L	-	-	-	-	-	0.07 J	-	-
Benzo(b)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	0.11	-	-
Benzo(g,h,i)perylene	NV	NV	ug/L	-	-	-	-	-	0.05 J	-	-
Benzo(k)fluoranthene	NV	0.002	ug/L	-	-		-	-	0.04 J	-	-
Biphenyl	5	NV	ug/L	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	5	NV	ug/L	-	-	-	2.2 J	-	-	-	-
Butyl benzyl phthalate	NV	50	ug/L	-	-	-	-	-	-	-	-
Caprolactam	NV	NV	ug/L	-	-	2.8 J	-	-	-	-	-
Carbazole	NV	NV	ug/L	-	1.2 J	-	-	-	-	-	-
Chrysene	NV	0.002	ug/L	-	-	-	-	-	0.07 J	-	-
Dibenzo(a,h)anthracene	NV	NV	ug/L	-	-	-	-	-	0.02 J	-	-
Dibenzofuran	NV	NV	ug/L	-	1.2 J	-	-	-	-	-	-
Diethyl phthalate	NV	50	ug/L	1 J	-	-	0.29 J	-	-	-	-
Di-n-butyl phthalate	50	NV	ug/L	2 J, B	1.4 J	-	3.7 J B	-	-	-	-
Di-n-octyl phthalate	NV	50	ug/L	-	-	-	-	-	-	-	-
Fluoranthene	NV	50	ug/L	-	-	-	-	-	0.4	0.15	0.09 J
Fluorene	NV	50	ug/L	-	-	-	-	-	0.2	0.09 J	0.06 J
Hexachlorobenzene	0.04	NV	ug/L	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	NV	0.002	ug/L	-	-	-	-	-	0.06 J	-	-
Isophorone	NV	50	ug/L	-	-	-	-	-	-	-	-

TABLE F-2

HISTORICAL MONITORING RESULTS (2013 TO PRESENT)
MW-3D

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site
Order on Consent: R9-20080205-5
Lockport, New York

Parameter [1]	AWQS [2]	AWQGV [2]	Units	Laboratory ID, Sample Date, Reported Concentration							
				130617007-003 06/13/2013	130930005-001B 09/26/2013	480-169674-7 05/07/2020	480-184953-7 05/19/2021	480-198661-7 06/03/2022	L2330368-05 05/31/2023	L2428286-02 5/21/2024	L2551115-03 08/13/2025
Naphthalene	NV	10	ug/L	-	-	-	-	-	-	0.55	-
Nitrobenzene	0.4	NV	ug/L	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NV	NV	ug/L	-	-	-	-	-	-	-	-
Pentachlorophenol	1	NV	ug/L	-	-	-	-	-	-	-	-
Phenanthrene	NV	50	ug/L	-	-	-	-	-	0.11	0.04 J	-
Phenol	1*	NV	ug/L	-	-	-	-	-	-	3.3 J	-
Pyrene	NV	50	ug/L	-	-	-	-	-	0.27	0.09 J	0.06 J

Notes:
1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one Network Groundwater sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards (AWQSs)/Guidance Values (AWQGVs); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

Qualifier Key:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
B = The analyte was detected above the reporting limit in the associated method blank.
" - " = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
* = The sum of all phenols.
NV = No AWQS/GV for this parameter.

Color Code:
= Based on reported total depth measurements, analytical results shown are suspected to be from well MW-3S.
= Value exceeds the individual AWQS.
= Value exceeds the individual AWQGV.

TABLE F-3

HISTORICAL MONITORING RESULTS (2013 TO PRESENT)
MW-7D

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site
Order on Consent: R9-20080205-5
Lockport, New York

Parameter [1]	AWQS [2]	AWQGV [2]	Units	Laboratory ID, Sample Date, Reported Concentration																
				130617007-002 06/13/2013	130930005-002B 09/26/2013	480-62067-1 06/17/2014	480-71961-5 11/25/2014	480-80722-5 05/20/2015	480-90488-5 11/04/2015	480-101786-5 06/16/2016	480-109820-5 11/17/2016	480-117975-5 05/12/2017	480-127262-5 11/08/2017	480-136146-5 05/17/2018	480-154189-1 5/29/2019	480-169674-5 05/07/2020	480-184953-5 05/19/2021	480-198661-5 06/03/2022	L2330368-06 05/31/2023	L2428286-03 5/21/2024	L2551115-04 08/13/2026
Volatile Organics by GC/MS (US EPA Method 8260B)																				
1,1,1-Trichloroethane	5	NV	ug/L	19	71	97	140	52	59	71	41	36	64	44 F1 F2	20	12	-	-	-	-	-
1,1-Dichloroethane	5	NV	ug/L	79	260	-	350	180	210	230	140	150	210	-	96 F1	70 F1	8.9	1.5 J	7.7	3.8	1.5 J
1,1-Dichloroethene	5	NV	ug/L	21	70	77	110	54	60	76	48	50	80	51 F1 F2	43	27	4.9	-	0.83	0.21 J	0.2 J
1,2-Dichloroethane	0.6	NV	ug/L	2 J	-	4.8	6.6	3.6 J	4.2 J	4.9 J	3.5 J	3.6 J	5.5	4.4	4.3	3.3	1.4 J	-	0.52	0.54	0.13 J
1,2-Dichloropropane	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	NV	50.0	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NV	50.0	ug/L	-	-	-	-	-	-	-	-	-	5.7	7 J*	-	-	-	-	-	-	6.9
Benzene	1	NV	ug/L	-	-	-	-	-	-	-	-	-	0.33	-	-	-	-	-	0.22 J	0.16 J	-
Carbon disulfide	60	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	0.85 J B	-	-	-	-	-	-
Carbon tetrachloride	5	NV	ug/L	-	-	0.53 J	-	-	-	-	-	-	0.29	0.32 J F2	-	-	-	-	-	-	-
Chlorobenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	0.62	-	-	-	-	-	-	-	-
Chloroethane	5	NV	ug/L	20	58	73	100	68	110	95	88 F1	54	88	63 F1 F2	65 F1	47 F1	19	-	-	-	-
Chloroform	7	NV	ug/L	-	-	0.8 J	-	-	-	-	-	-	0.49	0.57 J	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	5	NV	ug/L	-	-	0.98 J	-	-	-	-	0.12 J	-	1	0.93 J	-	-	-	-	-	-	-
Ethylbenzene	5	NV	ug/L	2.9 J	-	2	-	-	-	-	2	4.2	1.6	1.6 F2	-	3.4	8	7.8	5	2.4 J	-
Isopropylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	2.3	2.9	2 J	-
Methylene Chloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	0.93 J	3.6	-	-	-
Tetrachloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5	NV	ug/L	-	-	1.1	-	-	-	-	-	-	0.88	0.68 J	-	-	-	-	-	-	-
Vinyl chloride	2	NV	ug/L	5.3 J	23	21	19	13	15	23	21 F1	16	26	26 F1 F2	24 F1	17	7.2	-	1.5	0.39 J	0.22 J
Xylenes, Total	5	NV	ug/L	-	-	-	-	-	-	-	-	3.2 J	-	0.97	-	1.8 J	8.4	9.8	4 J	1.62 J	-
Semivolatile Organics by GC/MS (US EPA Method 8270C)																					
2,4-Dimethylphenol	NV	50	ug/L	-	-	-	0.48 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NV	NV	ug/L	-	1.1 J	-	-	-	-	24 F1	-	72	3.6	31 J F1 F2	-	300 F2	1600 F2	150 J	26	63 D	2.7
2-Methylphenol	1	NV	ug/L	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol & 3-Methlyphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NV	20	ug/L	27	28	12	39	42 DL	-	87 J	71	260	38	95 F1 F2	63 F1 F2	570 F2	3300 F2	710 J	170 D	370 D	98 D
Acenaphthylene	NV	NV	ug/L	1.2 J	-	-	0.56 J	0.54 J	-	-	-	-	-	-	-	9.9 J F1 F2	41 J F1 F2		2.9	4.3	1.5
Anthracene	NV	50	ug/L	-	-	0.22 J	1 J	0.84 J	-	3 J	7.2 J F1	26	-	15 J F1	10 J F1	99 F1 F2	460 F2	300 J	11	24	6
Benzaldehyde	NV	NV	ug/L	-	-	-	0.84 JB*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	NV	0.002	ug/L	-	-	-	-	-	-	1.5 J	4.8 J F1	8.0 J	-	7.1 J	11 J, F2	52 F1 F2	250 J F1 F2	-	3.6	12	1.6
Benzo(a)pyrene	Non-Detect	NV	ug/L	-	-	-	-	-	-	0.53 J	-	3.6 J	-	-	9.2 J, F3	15 J F1 F2	59 J F1 F2	-	1	3.2	0.46
Benzo(b)fluoranthene	NV	0.002	ug/L	-	-	-	0.28 J	-	-	1 J	4.7 J F2 F1	4.9 J	-	5.2 J	14 J, F4	22 J F1 F2	100 J F1 F2	-	1.5	4.8	0.78
Benzo(g,h,i)perylene	NV	NV	ug/L	-	-	-	-	-	-	0.36 J	-	-	-	-	7.1 J, F5	4.8 J F1	16 J F2	-	0.28	0.86	0.18
Benzo(k)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	27 J F1 F2	-	0.46	1.5	0.22
Biphenyl	5	NV	ug/L	-	-	-	5	3.3 J	-	18 F1	-	77	-	24 J F1 F2	-	170 F2	1000 F2	190 J	39	85	16
Bis(2-ethylhexyl)phthalate	5	NV	ug/L	-	2.5 J	6.7 J	3.5 J	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6 J
Butyl benzyl phthalate	NV	50	ug/L	-	-	-	-	0.48 J	-	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NV	NV	ug/L	-	-	-	-	-	2200	-	-	-	27	-	-	-	-	-	-	-	-
Carbazole	NV	NV	ug/L	2.3 J	5.1	2.2 J	10 *	5.2	-	7	-	14 J	5.7	5.4 J	3.9 J	19 J * F1 F	62 J * F1 F	-	17	17	2.3
Chrysene	NV	0.002	ug/L	-	-	-	-	-	-	1.6 J F1	4.7 J F1	7.4 J	-	7.7 J	14 J	46 J F1 F2	210 F2	-	2.9	10	1.4
Dibenzo(a,h)anthracene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08 J	0.25	0.09 J
Dibenzofuran	NV	NV	ug/L	16	18	6.5 J	-	32	-	71 J	49 J F1	230	25	87 J F1 F2	35 J F1 F2	510 F2	3200 F2	700 J	140	300	62
Diethyl phthalate	NV	50	ug/L	-	-	-	-	-	-	0.25 J	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	50	NV	ug/L	1.5 J, B	2.5 J	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	NV	50	ug/L	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NV	50	ug/L	-	1.5 J	0.34 J	1.3 J	1.2 J	-	19 F1	36 J F2 F1	100	5.2	66 F1 F2	65 F1 F2	450 F2	2400 F2	650 J	38	160 D	23
Fluorene	NV	50	ug/L	8.9	9.7	4.3	18	22	-	46 J	41 J F1	200	17	80 F1 F2	36 J F1	490 F2	2800 F2	730 J	120 D	260 D	50
Hexachlorobenzene	0.04	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	6.4 J F1 F2	-	16 J F2	-	0.32	1	0.23
Isophorone	NV	50	ug/L	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NV	10	ug/L	8.2	9.8	2.5	8	1.4 JB	-	70 J	11 J F2 F1	190	59	72 F1 F2	-	280 F2	1800 F2	160 J	50	110 D	6.2
Nitrobenzene	0.4	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NV	50	ug/L	1.8 J	4.2 J	1.1 J	7.5	6.2	-	76 J	62 F2 F1	420	9.2	210 F2	61 F2	1300 F2	7100 F2	1800 J	160 D	460 D	60 D
Phenol	1*	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2 J	0.65 J
Pyrene	NV	50	ug/L	-	1.1 J	-	0.74 J	0.47 J	-	11 F1	21 J F2 F1	59	3.6	43 J F1 F2	45 J F1 F2	300 F2	1600 F2	390 J	24	96 D	13

Notes:
1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one Network Groundwater sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards (AWQSs)/Guidance Values (AWQGVs); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

Qualifier Key:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
B = The analyte was detected above the reporting limit in the associated method blank.
" - " = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
* = The sum of all phenols.
NV = No AWQS/GV for this parameter.

Color Code:
= Value exceeds the individual AWQS.
= Value exceeds the individual AWQGV.

TABLE F-4

HISTORICAL MONITORING RESULTS (2013 TO PRESENT)
PZ-2

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site
Order on Consent: R9-20080205-5
Lockport, New York

Parameter [1]	AWQS [2]	AWQGV [2]	Units	Laboratory ID, Sample Date, Reported Concentration																
				130617007-004 06/13/2013	130930005-003B 09/26/2013	480-62067-6 06/17/2014	480-71961-1 11/25/2014	480-80722-1 05/20/2015	480-90488-1 11/04/2015	480-101786-1 06/16/2016	480-109820-1 11/17/2016	480-117975-1 05/12/2017	480-127262-1 11/08/2017	480-136146-1 05/17/2018	480-154189-4 05/29/2019	480-169674-1 05/07/2020	480-184953-1 05/19/2021	480-198661-1 06/03/2022	L2330368-02 05/31/2023	L2428286-04 5/21/2024	DRY 08/13/2025
Volatile Organics by GC/MS (US EPA Method 8260B)																				
1,1,1-Trichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.6	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	NV	50.0	ug/L	-	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NV	50.0	ug/L	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	60	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	7	NV	ug/L	12	14	3.2	0.6 J	1.6	0.54 J	0.75 J	0.9 J	1.5	0.3	-	0.61 J	-	0.93 J	0.45 J	-	-	-
cis-1,2-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	0.28	-	-	-	-	-	-	-	-
Isopropylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS (US EPA Method 8270C)																				
2,4-Dimethylphenol	NV	50	ug/L	-	-	-	0.9 J	-	0.56 J	2.6 J	1.7 J	-	1.6	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NV	NV	ug/L	-	-	-	-	-	-	1.5 J	0.94	-	-	-	-	-	-	-	0.02 J	-	-
2-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol & 3-Methlyphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	NV	20	ug/L	-	1.4 J	0.88 J	4.1 J	3.5 J	5	11	11	3.9 J	7.8	-	-	-	-	-	0.02 J	-	-
Acenaphthylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NV	50	ug/L	-	-	0.23 J	1.2 J	0.75 J	-	1.6 J	1.3	0.54 J	0.97	-	-	-	-	-	0.04 J	-	-
Benzaldehyde	NV	NV	ug/L	-	-	-	0.87 JB	-	0.26 J	-	- J	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	NV	0.002	ug/L	-	2 J	0.38 J	0.53 J	-	-	-	-	-	-	-	-	-	-	-	0.03 J	-	-
Benzo(a)pyrene	Non-Detect	NV	ug/L	-	1.6 J	-	0.5 J	-	-	-	-	-	-	-	-	-	-	-	0.04 J	-	-
Benzo(b)fluoranthene	NV	0.002	ug/L	-	-	-	0.43 J	-	-	-	-	-	-	-	-	-	-	-	0.04 J	-	-
Benzo(g,h,i)perylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Benzo(k)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01 J	-	-
Biphenyl	5	NV	ug/L	-	-	-	0.1 J	-	-	0.86 J	0.65	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	5	NV	ug/L	1.5 J	1.1 J	-	3.4 J	-	1.8 J	-	3.5 JB	-	-	-	-	-	-	-	1.7 J	-	-
Butyl benzyl phthalate	NV	50	ug/L	-	-	-	-	-	0.47 JB	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NV	NV	ug/L	-	-	-	-	-	140 DL	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NV	NV	ug/L	-	-	-	1.1 J*	0.88 J	1.2 J	2.8 J	2.7 J	1 J	2.5	-	-	-	-	-	-	-	-
Chrysene	NV	0.002	ug/L	1.1 J	2.2 J	0.42 J	0.59 J	0.42 J	0.33 J	-	-	-	-	-	-	-	-	-	0.04 J	-	-
Dibenzo(a,h)anthracene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	NV	NV	ug/L	-	-	-	-	-	0.51 J	0.72 J	0.73 J	-	0.55	-	-	-	-	-	-	-	-
Diethyl phthalate	NV	50	ug/L	-	-	-	-				-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	50	NV	ug/L	-	-	-	-	0.48 JB	-	-	-	-	-	-	-	-	0.32 J B	-	-	-	-
Di-n-octyl phthalate	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NV	50	ug/L	1.1 J	2.6 J	0.47 J	1.7 J	0.96 J	1.4 J	1.6 J	1.3 J	0.72 J	0.89	-	-	0.43 J	-	-	0.07 J	-	-
Fluorene	NV	50	ug/L	-	-	0.32 J	1.9 J	1.5 J	2.2 J	4.2 J	4.2 J	1.4 J	3	-	-	-	-	-	0.03 J	-	-
Hexachlorobenzene	0.04	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Isophorone	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NV	10	ug/L	-	1.5 J	0.54 J	1.3 J	2.4 JB	1.4 J	3.7 J	2.3 J	-	1.6	-	-	-	-	-	-	-	-
Nitrobenzene	0.4	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NV	NV	ug/L	-	-	-	4.1 JB	-	-	1 J	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07 J	-	-
Phenanthrene	NV	50	ug/L	1.2 J	3.3 J	1 J	5.4	3.1 J	6.1	8.6	6.8	2.5 J	4.5	-	-	0.76 J	0.47 J	-	0.03 J	-	-
Phenol	1*	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2 J	-
Pyrene	NV	50	ug/L	1.9 J	4.4 J	0.74 J	2.9 J	1.7 J	2 J	2.2 J	1.9 J	0.96 J	1.3	-	0.43 J	0.38 J	-	0.35 J	0.1	-	-

Notes:
1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one Network Groundwater sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards (AWQSs)/Guidance Values (AWQGVs); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

Qualifier Key:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
B = The analyte was detected above the reporting limit in the associated method blank.
" - " = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
* = The sum of all phenols.
NV = No AWQS/GV for this parameter.

Color Code:
= Value exceeds the individual AWQS.
= Value exceeds the individual AWQGV.

TABLE F-5

HISTORICAL MONITORING RESULTS (2013 TO PRESENT)
PZ-3

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site
Order on Consent: R9-20080205-5
Lockport, New York

Parameter [1]	AWQS [2]	AWQGV [2]	Units	Laboratory ID, Sample Date, Reported Concentration																
				130617007-005 06/13/2013	130930005-004B 09/26/2013	480-62067-3 06/17/2014	480-71961-2 11/25/2014	480-80722-2 05/20/2015	480-90488-2 11/04/2015	480-101786-2 06/16/2016	480-109820-2 11/17/2016	480-117975-2 05/12/2017	480-127262-2 11/08/2017	480-136146-2 05/17/2018	480-154189-5 5/29/2019	480-169674-2 05/07/2020	480-184953-2 05/19/2021	480-198661-2 06/03/2022	L2330368-03 05/31/2023	L2428286-05 5/21/2024	L2551115-01 08/13/2025
Volatile Organics by GC/MS (US EPA Method 8260B)																				
1,1,1-Trichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.6	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	NV	50.0	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NV	50.0	ug/L	-	8.6 J	16	6 J	9.1 J	4.9 J	5.4 J	-	-	4.1	5 J	-	-	-	3.6 J	-	8.6
Benzene	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	60	NV	ug/L	-	-	0.61 J	-	-	3	-	-	0.58 J	0.7	-	-	-	-	-	-	-
Carbon tetrachloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	7	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	0.24	-	-	-	-	-	-	-
Isopropylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS (US EPA Method 8270C)																				
2,4-Dimethylphenol	NV	50	ug/L	-	-	-	-	-	-	-	-	-	0.85	-	-	-	-	-	-	-
2-Methylnaphthalene	NV	NV	ug/L	-	-	0.79 J	1.3 J	1.9 J	2 J	0.72 J	-	-	4.6	3.8 J	4.8 J	5.9 J	4.1 J	3.5 J	-	4.4	4.9
2-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	0.45 J H	0.44			-	-	-	-	-	-
2-Nitroaniline	5	NV	ug/L	-	-	-	1.1 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	1	NV	ug/L	-	2.6 J	-	1.2 J	1.5 J	1.4 J	0.49 J	-	-	3.3	3.3 J	1.7 J	2 J	0.95 J	0.7 J	-	-	-
4-Methylphenol & 3-Methlyphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	1.7 J		-	-	-	-	-	-
Acenaphthene	NV	20	ug/L	-	3.7 J	1.6 J	2.7 J	4.2 J	3.7 J	1 J	-	1.2 J	5.5	3.9 J	6.1	7.5 J	5.4	5.5	0.02 J	4.9	5.8
Acenaphthylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04 J	0.04 J
Anthracene	NV	50	ug/L	1.1 J	- J	-	-	0.32 J	0.38 J	-	-	-	-	-	-	-	-	-	0.02 J	0.14	0.15
Benzaldehyde	NV	NV	ug/L	-	-	-	1.5 JB*	-	-	0.33 J	-	-	0.39	0.52 J	-	-	0.4 J	-	-	-	-
Benzo(a)anthracene	NV	0.002	ug/L	1.3 J	- J	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03 J	-	-
Benzo(a)pyrene	Non-Detect	NV	ug/L	1 J	- J	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03 J	-	-
Benzo(b)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	0.44 JK	-	-	-	-	-	-	-	0.04 J	-	-
Benzo(g,h,i)perylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Benzo(k)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Biphenyl	5	NV	ug/L	-	-	-	-	-	-	-	-	-	0.69	-	-	-	-	-	-	0.73 J	0.07 J
Bis(2-ethylhexyl)phthalate	5	NV	ug/L	1.2 J	- J	-	6.3	-	2.7 j	-	-	-	-	-	-	-	-	-	-	-	1.6 J
Butyl benzyl phthalate	NV	50	ug/L	-	-	-	-	-	0.48 J B	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NV	NV	ug/L	-	-	-	-	-	280	3.9 J	-	-	-	-	6.5	-	-	-	-	-	-
Carbazole	NV	NV	ug/L	-	-	-	-	0.62 J	0.48 J	-	-	0.39 J	1.2	0.63 J	0.99 J	-	0.63 J	0.66 J	-	0.81 J	0.95 J
Chrysene	NV	0.002	ug/L	1.4 J	- J	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03 J	-	-
Dibenzo(a,h)anthracene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Dibenzofuran	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NV	50	ug/L	-	-	-	-	-	-	1 J	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	50	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octyl phthalate	NV	50	ug/L	-	-	-	-	-	-	1 J	-	-	0.77	-	-	-	-	-	-	-	-
Fluoranthene	NV	50	ug/L	1.6 J	- J	-	-	-	-	-	0.52 J	-	-	-	-	-	-	-	0.05 J	0.07 J	0.06 J
Fluorene	NV	50	ug/L	-	-	0.34 J	0.64 J	1.1 J	0.76 J	-	-	-	1.2	0.94 J	1.2 J	-	1 J	1 J	0.01 J	1.2	1.3
Hexachlorobenzene	0.04	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01 J	-	-
Indeno[1,2,3-cd]pyrene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Isophorone	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NV	10	ug/L	-	3.4 J	2.5	4.4 J	7 B	6.6 B	2.2 J	1.3 J	-	15	12	16	19 J	12	10	-	12	14
Nitrobenzene	0.4	NV	ug/L	-	-	-	0.49 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06 J	-	0.08 J
Phenanthrene	NV	50	ug/L	3.3 J	2.4 J	0.52 J	1.4 J	1.6 J	1.5 J	-	0.89 J	0.44 J	0.73	0.58 J	1 J	-	0.7 J	0.6 J	0.03 J	0.84	1.1
Phenol	1*	NV	ug/L	-	130	38	53	50	73	19	-	7.2	-	56	59	84	40	28	-	49	38
Pyrene	NV	50	ug/L	2.8 J	-	-	-	-	0.46 J	-	0.65 J	-	-	-	-	-	-	-	0.05 J	0.17	0.16

Notes:
1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one Network Groundwater sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards (AWQSs)/Guidance Values (AWQGVs); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

Qualifier Key:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
B = The analyte was detected above the reporting limit in the associated method blank.
" - " = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
* = The sum of all phenols.
NV = No AWQS/GV for this parameter.

Color Code:
= Value exceeds the individual AWQS.
= Value exceeds the individual AWQGV.

TABLE F-6

HISTORICAL MONITORING RESULTS (2013 TO PRESENT)
PZ-4

Annual Monitoring / Inspection Report
SNPE-VanDeMark Chemical Site
Order on Consent: R9-20080205-5
Lockport, New York

Parameter [1]	AWQS [2]	AWQGV [2]	Units	Laboratory ID, Sample Date, Reported Concentration																	
				130617007-006 06/13/2013	130930005-005B 09/26/2013	480-62067-5 06/17/2014	480-62067-3 11/25/2014	480-80722-3 05/20/2015	480-90488-3 11/04/2015	480-101786-3 06/16/2016	480-109820-3 11/17/2016	480-117975-3 05/12/2017	480-127262-3 11/08/2017	480-136146-3 05/17/2018	480-136146-3 05/29/2019	480-169674-3 05/07/2020	480-184953-3 06/04/2021	480-198661-3 06/03/2022	L2330368-04 05/31/2023	L2428286-06 5/21/2024	L2551115-02 08/13/2025
Volatile Organics by GC/MS (US EPA Method 8260B)																					
1,1,1-Trichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.6	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	NV	50.0	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	NV	50.0	ug/L	8.3 J, B	-	-	-	-	-	3.1 J	-	-	-	-	-	-	-	-	-	-	4.1 J
Benzene	1	NV	ug/L			-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	60	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	7	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
cis-1,2-Dichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene Chloride	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	2	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS (US EPA Method 8270C)																					
2,4-Dimethylphenol	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-
2-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methylphenol & 3-Methlyphenol	1	NV	ug/L	5.9 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.75 J	-	-
Acenaphthene	NV	20	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1	-	-
Acenaphthylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04 J	-	-
Anthracene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	-	0.04 J
Benzaldehyde	NV	NV	ug/L	-	-	-	0.89 JB*	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06 J	-	-
Benzo(a)pyrene	Non-Detect	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07 J	-	-
Benzo(b)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-
Benzo(g,h,i)perylene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05 J	-	-
Benzo(k)fluoranthene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03 J	-	-
Biphenyl	5	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	5	NV	ug/L	-	-	15 J	3.1 J	-	1.7 J	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	NV	50	ug/L	-	-	-	-	-	0.61 JB	-	-	-	-	-	-	-	-	-	-	-	-
Caprolactam	NV	NV	ug/L	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.68 J	-	-
Chrysene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07 J	-	-
Dibenzo(a,h)anthracene	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02 J	-	-
Dibenzofuran	NV	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butyl phthalate	50	NV	ug/L	-	-	-	0.31 J	-	-	-	-	-	-	-	-	-	0.57 JB	-	-	-	-
Di-n-octyl phthalate	NV	50	ug/L	-	-	-				1 J	-	-	0.77	-	-	-	-	-	-	-	-
Fluoranthene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	-	-
Fluorene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1	-	-
Hexachlorobenzene	0.04	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	NV	0.002	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05 J	-	-
Isophorone	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NV	10	ug/L	4.3 J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	0.06 J	-
Nitrobenzene	0.4	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NV	NV	ug/L	-	-	-	4.2 JB	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1	NV	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06 J	-	-
Phenanthrene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77	-	-
Phenol	1*	NV	ug/L	260	1.4 J	-	0.61 J	-	-	-	-	-	-	0.49 J	-	-	-	-	29	0.5 J	0.99 J
Pyrene	NV	50	ug/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28	-	-

Notes:
1. Only compounds detected with reporting limits that exceed the corresponding regulatory standard in at least one Network Groundwater sample are included.
2. NYS Ambient Water Quality Class GA Groundwater Quality Standards (AWQSs)/Guidance Values (AWQGVs); NYSDEC June 1998 Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1.

Qualifier Key:
J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
B = The analyte was detected above the reporting limit in the associated method blank.
" - " = The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
* = The sum of all phenols.
NV = No AWQS/GV for this parameter.

Color Code:
= Value exceeds the individual AWQS.
= Value exceeds the individual AWQGV.