

**SARNEY FARM SUPERFUND SITE
AMENIA, NEW YORK**

**2025 Annual Groundwater
Data and Evaluation Report**

Prepared for:

**U.S. Environmental Protection Agency
Region II
New York, New York**

Dated:

November 12, 2025

Prepared by:

**EEE&G, PC
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Glastonbury, Connecticut**

November 12, 2025

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**RE: Sarney Farm Superfund Site
2023 Annual Groundwater Data and Evaluation Report**

Dear Mr. Duda:

On behalf of Cytec Industries, Inc. and Pitney Bowes Inc., a copy of the 2025 Annual Groundwater Data and Evaluation Report for the Sarney Farm Superfund Site prepared by Earth Environment Engineering and Geology (EEE&G, PC; formerly MACTEC Engineering and Geology, PC) is attached. The report discusses data collected during the 2025 sampling events completed on August 26th and 27th, 2025. The 2025 sampling was performed in consideration of USEPA's March 20, 2024 letter regarding groundwater monitoring frequency reduction regarding the Sarney Farm Site on Benson Hill Road in Dover Plains, Amenia, New York (USEPA, 2024). The attached report documents that the identified low level Volatile Organic Compounds (VOCs) in monitoring wells continue to exhibit decreasing concentrations and are attenuating due to ongoing natural processes.

Consistent with the USEPA approved Quality Assurance Project Plan (QAPP), and the 2023 updated QAPP submitted to the USEPA for approval, VOCs and/or 1,4-dioxane in Site monitoring wells and private residential water supply wells have been analyzed by USEPA Method 8260. In addition, Monitored Natural Attenuation parameters have been analyzed for groundwater monitoring wells. Under separate cover, and consistent with prior monitoring events, individual homeowners have been provided the laboratory results of water samples collected from their wells and you have been copied on these transmittals.

As a result of more than two decades of groundwater monitoring since the completion of soil remediation in 1997, it is well understood that VOC concentrations are attenuating due to natural processes. Additionally, the approximately 34 years of sampling of potable water supply wells near the site continues to demonstrate that no complete exposure pathways exist.

Mr. Damian Duda
U.S. Environmental Protection Agency

**EARTH
ENVIRONMENT**
Engineering and Geology P.C.

If you should have any questions regarding this report, please do not hesitate to contact Charles Staples at 207-910-1109.

Sincerely,

EEE&G, PC



Charles Staples, PG #234
Project Manager



Michael Ladney
Project Reviewer

cc: Laura Sarney
Donald MacMath for Cytec Industries
Sylvain Combet for Pitney Bowes
Jeffrey Dyber, NYSDEC
Doug Garbarini, USEPA (w/o enclosure)

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EEE&G Project No. US0035968.4020

Michael Ladny
Technical Reviewer

November 12, 2025



Charles Staples, PG#234
Geologist/Project Manager

November 12, 2025



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GLOSSARY OF ACRONYMS

ARCS	Assessment and Remediation of Contaminated Sediments
Amec	Amec E&E, PC
CERCLA	Comprehensive Environmental Response, Compensation, and Liability
COC	Constituents-of-Concern
1,2-DCA	1,2-Dichloroethane
DO	Dissolved Oxygen
DCHD	Dutchess County Health Department
EEE&G	Earth Environment Engineering & Geology, PC
FS	Feasibility Study
HFPO-DA	Hexafluoropropylene oxide dimer acid
LTTD	Low-Temperature Thermal Desorption
MACTEC	MACTEC Engineering & Geology, PC
MCL	Maximum Contaminant Level
MIBK	4-methyl-2-pentanone
ng/L	nanograms per liter
NPL	National Priorities List
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
Order	Unilateral Administrative Order
ORP	Oxidation/Reduction Potential
PCOR	Preliminary Close-Out Report
PFAS	per- and polyfluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic
PRGE	Post-ROD Groundwater Evaluation
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RA	Remedial Action
RI	Remedial Investigation
ROD	Record of Decision
Site	Sarney Farm Superfund Site

TCE	Trichloroethylene
TI	Technical Impracticability
µg/L	Micrograms per Liter
µg/kg	Micrograms per Kilogram
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
VOCs	Volatile Organic Constituents

1.0 INTRODUCTION

On behalf of Cytec Industries, Inc. and Pitney Bowes, Inc., this 2025 Annual Groundwater Data and Evaluation Report has been prepared by Earth Environment Engineering & Geology, PC (EEE&G). This report presents the data for the 2025 groundwater sampling event completed on August 26th and August 27th, 2025, at the Sarney Farm Superfund Site (Site), located on Benson Hill Road in Dover Plains, Amenia, New York (Figure 1). As presented below, the findings of these analyses demonstrate that natural attenuation processes are degrading VOCs in groundwater at the Site.

This work has been completed pursuant to the requirements of U.S. Environmental Protection Agency (USEPA) Unilateral Administrative Order (Order), Index Number II Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 96-0214 for the Sarney Farm Superfund Site (USEPA, 2003), the additional response action required by USEPA's September 8, 2016 letter regarding the Sarney Farm Site on Benson Hill Road in Dover Plains, Amenia, New York (USEPA, 2016), and the USEPA's March 20, 2024 approval of the Groundwater Monitoring Frequency Reduction Request (USEPA, 2024).

For the 2025 sampling event, the applicable modifications to the sampling program are described below:

- Beginning in 2017, five annual sampling rounds that include the eight monitoring wells and the residential wells in the vicinity of the Site (The frequency of groundwater monitoring at monitoring wells MW-7D, MW-9D, and MW-10 has been reduced from annual to biennial [USEPA, 2024]);
- The Groundwater Data and Evaluation Report for these sampling events is to be submitted to the USEPA within 45 days of receipt of final lab data (final lab data for 2025 was received September 15, 2025);
- Modification of the laboratory analytical methods so that the reporting limit is lower than the applicable standards;
- Addition of 1,4-dioxane analysis in the Site monitoring wells;
- Addition of natural attenuation parameters to the groundwater analytical suite during all five required sampling events, and
- Submit a modified Quality Assurance Project Plan (QAPP) that identifies proposed analytical methods and associated reporting limits (QAPP completed and USEPA approved, dated July 20, 2017).

The QAPP was updated in August 2023 to incorporate additional sampling requests, including requirements for sampling for per- and polyfluoroalkyl substances (PFAS), and changes in project related contacts (Revised QAPP was submitted to the USEPA for approval on October 15, 2023).

Field work, laboratory analyses, and data validation discussed in this report were completed in accordance with the USEPA approved Quality Assurance Project Plan (QAPP)(Amec E&E, PC [Amec], 2017), updated in August 2023.

1.1 SITE CHRONOLOGY

In the late 1960s, a 5-acre portion of the Site was permitted by the Dutchess County Health Department (DCHD) as a sanitary landfill. Non-permitted industrial waste disposal was reported to have occurred at the Site over a two-year period between 1968 and 1969. The disposal of industrial waste at the Site led to its inclusion on the NYSDEC Suspected Hazardous Waste Sites Inventory in 1980, and eventually on USEPA's National Priorities List (NPL) in June 1986. Remedial Investigation (RI) and Feasibility Study (FS) reports were completed on behalf of USEPA in the 1980s, the findings of which resulted in the issuance of a Record of Decision (ROD) for the Site in September 1990. The ROD detailed the selected remedy for the Site, which included the following:

Drum Removal and Soil Remediation

- Drum and container removal activities
- Excavation and on-Site treatment of impacted soil by low-temperature thermal desorption (LTTD).

Groundwater Remediation

- No Further Action that included a long-term program to monitor the distribution of contaminants in the bedrock aquifer underlying the Site.

Drum Removal

The drum removal phase of the remedy was completed between 1992 and 1995. The work began under the direction of TAMS Consultants (TAMS, an Assessment and Remediation of Contaminated Sediments [ARCS] contractor) on behalf of the USEPA. IT Corporation performed the remedial work under subcontract to TAMS. During 1993, U.S. Army Corps of Engineers (USACE) assumed the lead role on behalf of USEPA. IT Corporation was subcontracted by USACE to complete the work. Drum removal and disposal was completed by March 1995.

Soil Remediation

The remedial design for the soil remedy was completed by CDM Federal Programs Corp. (CDM) in August 1995 for the USACE. In May 1996, USEPA issued a Special Notice Letter to Pitney Bowes requesting that Pitney Bowes perform the soil remediation work. Pitney Bowes retained MACTEC

Engineering and Consulting, Inc. (formerly ESE New York, P.C.) to complete the Remedial Action (RA) for soil. MACTEC proposed minor modifications to the existing design specifications in November 1996, which were subsequently approved by USEPA and NYSDEC in January 1997. MACTEC retained Williams Environmental Services, Inc. to undertake the excavation and on-Site thermal treatment of soils. Soil remediation work plans were submitted to USEPA and NYSDEC in June 1997. Approvals were received August/September 1997, and mobilization to the Site began in September 1997. On-site thermal treatment of soil to remove VOCs including 2-butanone, trichloroethylene (TCE), 4-methyl-2-pentanone (MIBK), toluene, 1,2-dichloroethane (1,2-DCA), chloroform, and total xylenes was conducted from September through December 1997. Following a winter shut-down, Site restoration was completed between May and September 1998. Activities related to the treatment of impacted soil were completed by Pitney Bowes in accordance with the 1996 Administrative Order (USEPA, 1996) that was issued by USEPA and documented in the RA Report dated August 1998 (QST, 1998).

Based on the successful completion of the drum/debris removal efforts, the completion of on-site LTDD treatment of soil, and the findings of the Post-ROD Groundwater Evaluation (PRGE) Report (QST, 2001), USEPA issued a Preliminary Close-Out Report (PCOR) for the Site (USEPA, 2002). The PCOR included a complete discussion of remedial activities completed at the Site (including additional groundwater investigation) and concluded that all RAs at the Site have been completed in accordance with Close Out Procedures for National Priorities List Sites (OSWER Directive 9320.2-09 A-P).

Groundwater Remediation

During 1997, CDM installed two overburden monitoring wells, six piezometers, and one bedrock monitoring well downgradient of Area 4 in Area 6 (Figure 2). At that time, the monitoring network was comprised of 22 monitoring wells (12 overburden and 10 bedrock) and six piezometers. Two rounds of groundwater samples were collected during May and August of 1997. Nineteen wells/piezometers were sampled during the first round (seven overburden and ten bedrock monitoring wells, and two piezometers), and 12 monitoring wells/piezometers were sampled during the second round (five overburden and four bedrock monitoring wells, and three piezometers).

Additional groundwater investigation was required by USEPA and completed on behalf of Pitney Bowes and Cytec Industries by MACTEC between 1999 and 2000 (referred to as Phase 1 and Phase 2, respectively). Activities included sediment sampling, the installation of additional multi-level bedrock

monitoring wells and piezometers, groundwater pumping tests, and groundwater sampling, including nearby residential wells. Sampling locations are shown on Figure 2.

Upon review of groundwater data collected during the Phase 1 and Phase 2 investigations, USEPA required additional rounds of groundwater sampling in 2001 and 2002. The first 2001 sampling event was completed during June, and included monitoring wells MW-7D, MW-9D, MW-10D, MW-11D, MW-14D, MW-15D, EW-4D, and five nearby residential wells (Figure 2).

The sampling of residential wells initially commenced during the RI in 1985, and included sampling events in 1985, 1986, 1990, 1992, 1993, 1994, 1995, 1996, 1997, and 1998. The USEPA required that residential well sampling continue thereafter. The November 2001 PRGE states that the results from these residential well sampling events showed that no well had ever exhibited VOC concentrations at or above New York or Federal drinking water standards. Additionally, no subsequent potable water sampling events have identified exceedances of these drinking water standards for site related contaminants.

The findings of these June 2001 investigations were presented to USEPA in the PRGE Report (QST, 2001) that was approved by USEPA and finalized on November 13, 2001. The PRGE Report concluded that constituents-of-concern (COCs), primarily 1,2-DCA, generally exhibited a steady decrease in concentration since routine sampling was initiated in the late 1990s. However certain COCs were still present in a small area of the Site at concentrations in excess of current USEPA Region II groundwater Maximum Contaminant Level (MCL) standards. The overall decrease in 1,2-DCA concentration in groundwater was attributed to the completion of drum removal and on-site LTDD treatment of impacted soil, and the attenuation of contaminants through natural physical and chemical degradation processes. In addition, ongoing sampling and analysis of groundwater collected from downgradient residential supply wells continued to confirm that Site-related constituents have not impacted, nor are they expected to impact, nearby private supply wells. A second 2001 sampling event was completed in December and included monitoring wells MW-7D, MW-9D, and MW-10D.

Revised Groundwater Monitoring Program

Between 1999 and 2002, groundwater sampling of selected Site monitoring wells had been conducted at approximately six-month intervals. Specifically, sampling events were performed in July and November 1999, May and November 2000, June and December 2001, and June 2002. The results of

sampling events, up to and including the June 2001 sampling event, were included in the PRGE Report (QST, 2001). The results of the December 2001 sampling event were provided to USEPA as an attachment to Monthly Progress Report Number 65 dated March 11, 2002. The findings of the June 2002 sampling event were included in a Groundwater Evaluation Report (MACTEC, 2002).

In addition to presenting the findings of the June 2002 sampling event, the November 2002 report included a recommendation that future groundwater sampling events at the Site be conducted on an annual basis. The rationale for reducing the sampling frequency was that a continued, steady decrease in groundwater concentrations had been observed during each subsequent sampling event between 1997 and 2002. USEPA approved this recommendation and required annual sampling for a period of five years beginning in 2003. Subsequent to this five-year sampling period (2003 to 2007), the USEPA requested annual sampling continue. This sampling typically occurs in the third quarter of the year.

Since 2006, MACTEC/EEEG have stated that the steady and predictable rate of decrease of contaminant concentrations in wells monitored supports groundwater sampling of the current list of wells (MW-7D, MW-9D, MW-10D, and five residences) every two years to provide data at a frequency that will be suitable to demonstrate a continuation in the observed decreasing trend in concentrations.

Note that MW-7D was repaired/replaced consistent with an USEPA approved workplan in 2012 due to damage that occurred subsequent to the 2011 groundwater sampling at this location.

Beginning in 2017, the USEPA requested the following modifications of the Sarney Farm sampling program:

- Beginning in 2017, five annual sampling rounds (i.e., 2017 to 2021) that include the eight on-Site monitoring wells and the five residential wells in the vicinity of the Site;
- The Groundwater Data and Evaluation Report for these sampling events is to be submitted to the USEPA within 45 days of receipt of final lab data;
- Modification of the laboratory analytical methods so that the reporting limit is lower than the applicable standards;
- Sampling Cleaver Swamp surface water and sediment during only the 2017 sampling event;
- Addition of 1,4-dioxane for only the 2017 sampling event and addition of natural attenuation parameters to the groundwater analytical suite during all five required sampling events;

- Submit a modified QAPP that identifies proposed analytical methods and associated reporting limits (completed and USEPA approved, dated July 20, 2017).

A Technical Impracticability (TI) Evaluation Report that indicated no current exposure routes and requested delisting from the NPL was submitted in 2019 (Wood Environment and Infrastructure Solutions, Inc., 2019); however, the USEPA did not grant the request at that time.

The Fourth Five-Year Review report for the Site was prepared by the USEPA on April 30, 2021. This review report found the implemented remedies at the Sarney Farm Superfund site currently protective of human health and the environment. Based on this review the USEPA concluded it will defer consideration of a TI waiver in favor of further evaluating the Site groundwater trends for a continued five years. A new estimate of cleanup time frames will be prepared by the USEPA following this monitoring period (2021 – 2025). The USEPA recommended that the groundwater monitoring program currently implemented at the site, including sampling for 1,4-dioxane, remain unchanged through this period (i.e., 2021 to 2025).

In addition to the above requests, the NYSDEC and NYSDOH requested sampling for the emerging contaminants PFAS from groundwater monitoring wells in 2019 and 2022 and for PFAS and 1,4-dioxane from residential wells located within ½ mile of the former landfill in 2022 and 2023. Results of this sampling were reported within the Sarney Farm 2023 Annual Groundwater Sampling Report (MACTEC, 2023).

On March 20, 2024, the USEPA approved the Sarney Farm 2023 Annual Groundwater Sampling Report and the 2020 Groundwater Monitoring Frequency Reduction Request (MACTEC, 2020). This approval modified the Annual Sampling Program, reducing the frequency of sampling Site monitoring wells MW-7D (shallow and deep), MW-9D (zones 1 [deep], 2 [intermediate], and 3 [shallow]), and MW-10D (zones 1 [deep], 2 [intermediate], and 3 [shallow]) from annual to biennial, while maintaining annual monitoring of the five residential supply wells traditionally sampled near the Site, herein described as 151 BHR, 154 BHR, 199 BHR, 224 BHR, and 225 BHR. Additionally, the NYSDEC informed the USEPA on February 6, 2024, that it would no longer require sampling for emerging contaminants or additional residential supply wells beyond the five traditionally sampled.

This report documents the 2025 groundwater sampling event.

2.0 GROUNDWATER SAMPLING

Groundwater sampling during the August 2025 sampling event included the traditionally sampled five residential wells near the Site and the multi-level bedrock monitoring wells located downgradient of Area 4 (paired/nested monitoring wells MW-7D and MW-9D) and west of Areas 1 and 2 (nested monitoring well MW-10D) as shown on Figure 2. The traditionally sampled residential wells sampled for VOCs are designated as follows:

- 151 BHR
- 154 BHR
- 199 BHR
- 224 BHR
- 225 BHR

Prior to sampling groundwater monitoring wells, water level measurements were collected from the multi-level wells included in this sampling event (MW-7D, MW-9D, and MW-10D). Groundwater samples were collected on August 26, 2025 from MW-10D and August 27, 2025 from MW-7D and MW-9D, in accordance with USEPA Groundwater Sampling Procedure for Low-Stress (Low-Flow) Purging and Sampling procedures.

The two discrete sampling zones at MW-7D (i.e., MW-7D-S [shallow] and MW-7D-D [deep]) were purged and sampled using a conventional bladder pump equipped with dedicated HDPE discharge tubing. The purging process at MW-7D included low-flow pumping to minimize drawdown in the well, and monitoring of various groundwater parameters (e.g., pH, temperature, dissolved oxygen (DO), Oxidation/Reduction Potential (ORP), turbidity and conductivity) to confirm that the wells were hydraulically connected to the formation, and that valid groundwater samples would be collected. Once the parameters stabilized over three consecutive readings, the wells were considered sufficiently purged and samples were collected by directing the pump discharge into laboratory prepared sample containers.

Monitoring wells MW-9D and MW-10D are equipped with Solinst multi-level sampling devices that include dedicated, nitrogen-driven, stainless steel/Teflon bladder sampling pumps set at three discrete intervals. Both MW-9D and MW-10D include three discrete depth sampling ports/pump assemblies that are referred to as zones 1 (deep), 2 (medium) and 3 (shallow). Purging at these wells is required mainly to flush stagnant water from the dedicated sampling tubes since the design of the multi-level sampling system, which includes the use of permanent packers, precludes the presence of standing casing water.

The 0.25-inch diameter sampling tubes contain approximately 0.003 gallons of water per foot. The saturated length of the sampling tubes ranges from approximately 142 feet (deep zone at MW-9D-1) to approximately 47 feet in shallow zone at the same well location. The volume of stagnant tubing water in the longest sampling tube is therefore approximately 0.4 gallons. To adequately purge stagnant sampling tube water at MW-9D and MW-10D, the water was pumped between 40 minutes and 65 minutes at flow rates of approximately 0.026 to 0.066 gallons/minute, resulting in the removal of approximately 1 to 3.9 gallons of water or more per well/sample zone. Once the dedicated bladder pumps purged the standing water in the tubing and the purge parameters (e.g., pH, temperature, etc.) had stabilized, the samples were collected (water levels did not stabilize in MW-10D-1). Consistent with the QAPP, groundwater monitoring well samples were submitted to Eurofins Environmental Testing for analysis of VOCs by USEPA Method 8260 (low level) and for Monitored Natural Attenuation (MNA) parameters by various approved QAPP methods. In addition, samples were analyzed for 1,4-dioxine by USEPA Method 8260 Selective Ion Monitoring (SIM).

Residential water samples were collected from five locations identified as 151 BHR, 154 BHR, 199 BHR, 224 BHR, and 225 BHR. The residential water samples were collected from an outside spigot. Before the samples were collected, the water was allowed to run for approximately 15 minutes to clear the plumbing system of standing water. As per the 2023 Revised QAPP, residential samples were submitted for laboratory analysis for VOCs by USEPA Method 8260 (low level).

The groundwater samples were collected, stored, and delivered to the laboratory under standard chain-of-custody protocols. The samples were collected in laboratory-prepared sample containers and stored on ice in secure coolers until being hand-delivered to the laboratory for analysis. Quality assurance/quality control (QA/QC) samples (field duplicates/trip blanks/equipment-field blanks) were also collected and submitted for laboratory analyses. Backup documentation for laboratory deliverables is maintained at both the Eurofins Environmental Testing archives and in the central project files at EEE&G offices. Analytical laboratory data reports are provided in Appendix A.

The VOC and 1,4-dioxine results were validated by EEE&G chemists in accordance with USEPA data validation guidelines as presented in the QAPP. The data validation report is included in Appendix B.

3.0 SAMPLING RESULTS AND DATA INTERPRETATION

Sections 3.1 through 3.4 below discuss the findings of the laboratory analyses for the groundwater monitoring wells, residential potable water supply wells, and QA/QC samples.

3.1 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES (QA/QC)

Two trip blanks, one associated with the monitoring well samples collected on August 26th and August 27th, 2025 (TB-01) was collected for VOCs and 1,4-dioxane analysis, and one associated with the residential well samples collected on August 26th, 2025 (TB-02) was collected for VOCs analysis. In addition, consistent with the QAPP, one equipment blank (EB01), one field blank (FB01), and one duplicate groundwater monitoring well sample (MW-7D-D DUP) were collected for VOC and 1,4-dioxane analysis during the 2025 sampling event. Chloroform, a common laboratory contaminant was reported in both Trip Blanks, FB01, and EB01 collected during the monitoring well sampling at a concentration below its regulatory criterion. The correlation between groundwater sample MW-7D-D (VOCs and 1,4-dioxane) and its duplicate was good.

3.2 RESIDENTIAL WELL SAMPLING RESULTS

Section 3.2.1 below discusses the findings for the VOC analyses at the residential wells.

3.2.1 Residential Supply Well VOC Results

A summary of the 2025 Residential Well Sampling Results for VOCs is presented in Table 1. VOCs were not detected in the residential wells during the 2025 sampling event, which is consistent with the previous 34 residential well sampling events completed since 1985, which have not identified site related VOCs above regulatory criteria.

3.3 GROUNDWATER MONITORING WELL SAMPLING RESULTS

Section 3.3.1 below presents the findings of the field measured parameters collected during low flow sampling at the groundwater monitoring wells, Section 3.3.2 discusses the findings for the VOC analyses at the monitoring wells, and Section 3.3.3 presents the findings of the MNA analytical results.

3.3.1 Groundwater Monitoring Well Field Measured Parameters

Field measured parameters were collected during low-flow sampling at the monitoring wells using a YSI SSC flow-through cell and a Hach turbidity meter calibrated according to manufactures specifications.

Table 2 summarizes the final pre-sampling field measured parameters along with the MNA parameter analysis results.

3.3.2 Groundwater Monitoring Well VOC Sampling Results

The results of the bedrock groundwater VOC analysis are summarized and provided in Table 3. The table is organized by well, with data presented in chronological order from the from 2011 to the latest sampling events. For convenience, columns for the current sampling event data are shaded in blue. Additionally, the concentration of any compound detected is shown in bold font and concentrations above its respective NYSDEC Class GA groundwater criteria is shaded dark gray (NYSDEC criteria is equal to or lower than USEPA MCL for all detected compounds).

Additionally, the historic results of bedrock groundwater VOC analyses are summarized and provided in Appendix D. This Appendix includes groundwater data since well installation/initial sampling (1997 for MW-7D; 1999 for MW-9 and MW-10D). Similar to Table 3 this appendix is organized by well, with data presented in chronological order from the earliest to the latest sampling events. For convenience, columns for the current sampling event data are shaded in blue. Additionally, the concentration of any compound detected above its respective USEPA MCL is darkly shaded and shown in bold font.

During the 2025 sampling event, 1,2-DCA was detected at concentrations above the USEPA MCL (5 µg/L) in the shallow and deep zones of MW-7D, in the three zones (deep, intermediate, and shallow) in MW-9D, and two zones (deep and intermediate) in monitoring well MW-10D. As discussed in Section 3.3.3 below, the Mann-Kendall evaluation demonstrates that concentrations of 1,2-DCA continue to attenuate in all sampled monitoring wells that exceeded criteria. Figures 3, 5, and 7 present a graphical depiction of the groundwater concentration data for 1,2-DCA from 2011 through the latest sampling event, and Figures 4, 6, and 8 present a graphical depiction of the groundwater concentration data for 1,2-DCA from the late 1990s through the latest sampling event.

The following summarizes the 1,2-DCA detections in 2020, 2021, 2022, 2023 and 2025:

Summary of Recent 1,2-DCA Analytical Results						
Well Depth Zone	Monitoring Well	2020 1,2-DCA (µg/L)	2021 1,2-DCA (µg/L)	2022 1,2-DCA (µg/L)	2023 1,2-DCA (µg/L)	2025 1,2-DCA (µg/L)
Shallow	MW-7D-S	49	48	50	28	55
Deeper	MW-7D-D	35	30	31	47	25
Shallow	MW-9D-3	75	54	63	46	46

Summary of Recent 1,2-DCA Analytical Results						
Well Depth Zone	Monitoring Well	2020 1,2-DCA (µg/L)	2021 1,2-DCA (µg/L)	2022 1,2-DCA (µg/L)	2023 1,2-DCA (µg/L)	2025 1,2-DCA (µg/L)
Intermediate	MW-9D-2	56	41	34	39	41
Deep	MW-9D-1	54	50	42	42	45
Shallow	MW-10D-3	ND	0.87	ND	ND	0.54
Intermediate	MW-10D-2	26	15	19	7.8	23
Deep	MW-10D-1	20	19	18	14	17
1,2-DCA = 1,2-Dichloroethane MW = Monitoring Well ND = not detected				ug/L = micrograms per liter -S = shallow -D = deep		

Other than 1,2-DCA, the only other VOCs detected during the 2025 sampling event were:

VOCs Other Than 1,2-DCA Detected in 2025			
Parameter	Maximum Concentration Detected in 2025 (µg/L)	Parameter	Maximum Concentration Detected in 2025 (µg/L)
1,4-Dioxane	8.0	cis-1,2-Dichloroethene	8.0
Benzene	2.9	Trichloroethene	1.9

Each of these VOCs were identified at concentrations lower than their respective USEPA MCLs, when available.

1,4-dioxane does not have a federal MCL; however, NYS recently established a standard for 1,4-dioxane of 1 µg/L. 1,4-dioxane was detected at a maximum concentration of 8.0 µg/L, with concentrations detected at or above 1 µg/L in MW-7D-S, MW-7D-D, MW-9D-1, and MW-9D-2. Concentrations of 1,4-dioxane were similar to those detected during previous sampling events in 2017, 2018, 2021, 2022, and 2023.

Benzene was detected at MW-9D-1 at a concentration above the NYS standard of 1 µg/L, and cis-1,2-DCA was detected at MW-7D-S at a concentration above the NYS standard of 5 µg/L.

3.3.3 Monitored Natural Attenuation Parameter Analytical Results

As required by the USEPA, evaluation of MNA at the Site has been completed. Based on MNA evaluation activities conducted in 2011, select MNA parameters were incorporated into the 2018 to 2025 annual monitoring programs for additional analysis. MNA data collected included contaminant concentrations, electron donors and acceptors, metabolic byproducts, and general water quality parameters. During the 2025 monitoring event, MNA parameters were evaluated using accepted

laboratory test methods specified in the Site's QAPP by Eurofins Environmental Testing except for the following field parameters: dissolved oxygen (DO), Oxidation-Reduction Potential (i.e., ORP or Eh), pH, and temperature which were field measured. In general, this evaluation has identified decreasing 1,2-DCA concentrations and groundwater conditions conducive to natural attenuation as discussed below.

Decreases in contaminant concentrations are a primary line of evidence used to support MNA as an implemented remedial strategy. As presented in past annual groundwater monitoring reports prepared for the Site, concentrations of 1,2-DCA (the primary Site contaminant) have decreased by an order of magnitude since site characterization in 1997. However, in recent years, the rate of this observed decline has appeared to decrease based on graphical depictions of the data. Therefore, the Mann-Kendall Test, a common non-parametric statistical approach used in MNA evaluations, was employed to assess current plume stability and the level of confidence in 1,2-DCA concentration decreases. In the Mann-Kendall Test, contaminant data collected over time from a specific monitoring location are tabulated, compared, and used to calculate a test statistic referred to as the S-statistic (Wiedemeier et al., 2000). The magnitude of the S-statistic indicates the direction and statistical level of confidence in the trend. Positive S-statistics suggest an increasing trend while negative S-statistics suggest a decreasing trend. Generally decreasing 1,2-DCA concentrations over the past nine years are noted. At each monitoring well within the program with concentrations above criteria, the Mann-Kendall analysis indicates that 1,2-DCA concentrations are decreasing with at least 90% confidence. The Mann-Kendall analysis is presented as Appendix E.

A primary electron donor is organic carbon indicated by groundwater Total Organic Carbon (TOC) concentrations. At the Site, TOC concentrations have been fairly similar over the last five years, with low detections near the detection limit, likely limiting the biodegrading microbial population. TOC concentrations over the last five years are also lower than observed during initial rounds of sampling conducted in 1999 and 2000. Additionally, in most monitoring wells, with the exception of MW-9-D1, and MW-10-D1, methane concentrations were lower in the most recent sampling events than during initial rounds of sampling conducted in 1999 and 2000. The continued detection of methane may be associated with the production of methane as a metabolic byproduct of methanogenesis and, combined with the general low ORP, suggests that reducing conditions are present, indicating conditions appropriate for contaminant natural attenuation (although degradation may be limited due to the low TOC).

The evaluation of MNA data collected in August of 2025 suggests that:

a) 1,2-DCA concentrations are attenuating in Site monitoring wells.

At monitoring well MW-10D-3, 1,2-DCA was detected at a concentration just above the reporting limit. In 2025, decreasing or consistent 1,2-DCA concentrations are noted in three of eight Site monitoring wells (MW-7D-S, MW-7D-D, and MW-9D-3). Concentrations of 1,2-DCA in the remaining wells fluctuated slightly higher than those detected in 2023 however, for the eight-year evaluation, results continue to indicate a decreasing trend in concentrations at all locations that exceeded regulatory criteria.

b) The level of confidence in the observed decreases in 1,2-DCA concentration is greatest at the deeper and intermediate sampling intervals of monitoring well MW-9D and the deeper sampling interval of monitoring well MW-10D.

The Mann-Kendall evaluation indicates that 1,2-DCA concentrations are declining at all monitored wells/depth intervals and that the greatest confidence in these 1,2-DCA decreases is observed at monitoring wells MW9D-1, MW9D-2, and MW10D-1. It is possible that the isolation of depth may be promoting VOC attenuation in the deeper intervals due to relatively stronger reducing conditions.

c) Geochemical data continues to suggest that conditions conducive to reductive dechlorination are present in most of the Site monitoring wells (i.e., low Oxidation-Reduction Potential (Eh) readings, the presence of ferrous iron, and the presence of methane); although low TOC may be a limiting factor.

There is correlation between the Mann-Kendall S-Statistic in 1,2-DCA concentration decreases over time and the 2025 methane concentrations identified in the MNA analyses. Predominantly, as shown in the table below, the four wells with the highest methane concentration levels in 2025 are coincident with three of the four wells with the highest Mann-Kendall confidence (the most negative S-Statistic values) in 1,2-DCA natural attenuation. These methane concentrations are potentially indicative of methanogenesis being a driver in the attenuation of VOCs on-Site.

The MNA data suggests that the biennial frequency of monitoring has been sufficient to evaluate trends but may be reduced further without significant impact to future evaluations.

Correlation Between 2025 Mann-Kendall Confidence and Methane Concentrations		
Monitoring Well	2025 Mann-Kendall S-Statistic	2025 Methane Concentration (ug/L)
MW-10D-1	-25	240
MW-7D-D	-13	56
MW-9D-1	-19	39
MW-9D-2	-19	14
MW-9D-3	-15	2.2
MW-7D-S	-12	1.4
MW-10D-2	-13	1.2
MW-10D-3	-9	<4
1. This table is sorted from highest 2025 methane concentration to lowest. 2. The more negative the Mann-Kendall S-Statistic, the greater the confidence in decreasing 1,2-DCA concentrations over time. 3. Methane concentrations may be indicative of methanogenesis occurring.		

4.0 CONCLUSIONS AND RECOMMENDATIONS

The following section of this report summarizes the findings and conclusions of the 2025 groundwater sampling event and provides applicable recommendations.

CONCLUSIONS

1. During the 2025 residential well sampling, no volatile organic compounds (VOCs) were detected. This finding aligns with the results of the previous 32 sampling events, where site related VOCs have consistently remained below State and Federal guidelines since monitoring commenced in 1985 for all properties included in the sampling program.
2. The data from the off-site private wells and the on-Site groundwater monitoring wells continues to support the USEPA statement in the Fourth Five-Year Review (2021): “The residential sampling has not indicated any site-related contaminants in excess of state or federal guidelines in any residential well from 2015 to 2019. Since there have been no historic detections in the residential wells, it is indicative that these wells are not in hydraulic connection with contamination in upgradient fractured bedrock.” Therefore, there are no complete exposure pathways for the Site groundwater contamination.
3. Groundwater monitoring of select bedrock and residential wells has been conducted since 1999 with sampling and analysis of the nearby residential wells having been conducted since 1985. The data continues to suggest that reducing the groundwater monitoring frequency further would remain adequate to continue to demonstrate the attenuation of VOCs at the Site.

Data collected during the 2025 sampling event from the Site monitoring wells indicate that concentrations of 1,2-DCA remain above the USEPA MCL in groundwater below the Site. The impacted area of the aquifer remains relatively small, with the concentrations of 1,2-DCA in groundwater relatively low and continuing to show generally decreasing trends since source removal activities and treatment of contaminated soils was completed in 1997.

1,4-dioxane was detected in several monitoring wells at concentrations exceeding the recently established New York State MCL of 1 µg/L (with a maximum detection of 8.0 µg/L). These wells include MW-7D-S, MW-7D-D, MW-9D-1, and MW-9D-2. Concentrations of 1,4-dioxane were similar to those detected during previous sampling events in 2017, 2018, 2021, 2022 and 2023 (Although the reporting limit in 2025 was 1.6 µg/L, which is above the state MCL, the method detection limit [MDL] was 0.61 µg/L, so if there had been detections above the MDL in the remaining four wells, they would have been reported).

4. Mann-Kendall statistical evaluation and graphical depictions of trends demonstrate that low level 1,2-DCA concentrations are continuing to attenuate due to ongoing natural processes, and methanogenesis may be a primary driver in VOC attenuation. Although the rate of VOC degradation may have slowed over time, VOCs at the Site continue to attenuate via natural processes. Because the concentrations and trends in groundwater have been well documented for over 25 years, the frequency of monitoring of Site wells could be further reduced.

The area of impacted Site groundwater is remote and difficult to access. If the Site were to be re-developed, the DCHD would restrict the installation of potable water supply wells in this area.

In the Fourth Five Year Review for the Site, the USEPA stated that “The existing restrictions, as well as well permitting requirements under New York State NYCRR Part 5 Subpart 5-2, limit the potential for potable use of groundwater beneath the Site.”

Based on these factors, the absence of site-related contaminants exceeding regulatory criteria in surface water and in potable water supply wells for over thirty years, EEE&G continues to conclude that the No Further Action remedy for groundwater selected by the USEPA in the ROD is protective and appropriate, and no further response actions are necessary.

RECOMMENDATION

EEE&G recommends that the current modification of the Site groundwater monitoring program remain in place, or be further reduced to every five years, including for the five private supply wells historically sampled near the Site, which have never had a detection of site related VOCs in 40 years of sampling.

5.0 REFERENCES

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TABLES

TABLE 1
POTABLE WATER VOC SAMPLE RESULTS
2025 SAMPLING EVENT
SARNEY FARM SUPERFUND SITE
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Location	151 BHR		154 BHR		199 BHR		224 BHR		225 BHR	
Sample Date	8/26/2025		8/26/2025		8/26/2025		8/26/2025		8/26/2025	
QC Code	FS		FS		FS		FS		FS	
Parameter	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trimethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3,5-Trimethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
2-Hexanone	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
4-Methyl-2-pentanone	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Acetone	5	U	5	U	5	U	5	U	5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon disulfide	1	U	1	U	1	U	1	U	1	U
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylene chloride	1	U	1	U	1	U	1	U	1	U
Naphthalene	3	U	3	U	3	U	3	U	3	U
Propylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylene, o	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes (m&p)	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes, Total	1	U	1	U	1	U	1	U	1	U

Notes:

Samples analyzed for VOCs by USEPA Method 8260

Results in micrograms per liter

U = Not detected above the presented reporting limit

FS = Field Sample

TABLE 2
SUMMARY OF 1,2-DCA CONCENTRATIONS, EVALUATED MNA PARAMETERS OVER TIME, AND
FINAL FIELD MEASURED PARAMETERS
2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Units	Date	Parameter Concentration by Location								
			MW-7D-S 39-72 ft	MW-7D-D 72-101 ft	MW-7D-D (Duplicate) 72-101 ft	MW-9D-3 38-55 ft	MW-9D-2 55-102 ft	MW-9D-1 102 -147 ft	MW-10D-3 48-68 ft	MW-10D-2 68-110 ft	MW-10D-1 110-144 ft
1,2-DCA	µg/L	Nov-99	390	600	NA	450	360	400	14	67	70
		May-00	250	490	NA	350	300	320	6	69	86
		Jul-06	8	190	190	130	160	100	NA	30	44
		Aug-11	130	48	50	110	73	89	0.9	43	36
		Aug-17	59	72	58	79	85	70	0.6	32	27
		Aug-18	53	35	36	58	59	52	0.89	23	21
		Aug-19	37	36	37	53	60	56	0.81	24	21
		Oct-20	49	35	36	75	56	54	< 0.5	26	20
		Aug-21	NS	NS	NS	NS	NS	NS	0.87	15	19
		Dec-21	48	30	29	54	41	50	NS	NS	NS
		Aug-22	50	31	36	63	34	42	< 0.5	19	18
Ethane	µg/L	Nov-99	8.3	7.3	NA	< 5.0	8.0	35	< 5.0	< 5.0	6.4
		May-00	NA	6.4	NA	NA	NA	31	NA	< 4.0	NA
		Aug-11	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4
Ethene	µg/L	Nov-99	< 6.0	< 6.0	NA	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
		May-00	NA	< 3.0	NA	NA	NA	3.3	NA	< 3.0	NA
		Aug-11	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
TOC	mg/L	Nov-99	17.3	16.1	NA	15	16.5	15.9	12.7	12.8	10.9
		May-00	NA	15.9	NA	NA	NA	NA	NA	12.4	NA
		Aug-11	< 1	< 20.98	< 1	< 1	0.41J	0.7J	< 1	< 1	0.47J
		Aug-17	1.2	1.1	1.2	1.1	1.1	1.4	0.86	0.84	0.87
		Aug-18	< 1	0.66	< 1	< 1	< 1	0.75	< 1	< 1	< 1
		Aug-19	0.61J	0.71J	0.66J	0.57J	0.53J	0.73J	0.41J	0.39J	< 1
		Oct-20	0.67 J	< 1	< 1	0.64 J	0.67 J	0.94 J	0.67 J	< 1	< 1
		Aug-21	NS	NS	NS	NS	NS	NS	< 1	< 1	< 1
		Dec-22	1.1	0.73 J	0.70 J	0.84 J	0.76 J	0.71 J	NS	NS	NS
		Aug-22	0.56 J	0.79 J	0.77 J	0.62 J	0.62 J	0.68 J	< 1	0.53 J	0.60J
		Aug-23	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Oxygen (Field Measured)	mg/L	Aug-25	0.51 J	<1	<1	0.47 J	0.47 J	0.88 J	0.5 J	<1	0.64 J
		Nov-99	0.91	0.91	NA	0.3	0.37	0.36	2.54	0.34	0.33
		May-00	NA	0.35	NA	NA	NA	2.57	NA	2.04	NA
		Aug-11	0.69	0.25	NA	1.43	0.48	0.9	3.82	0.81	0.47
		Aug-17	0.61	0.94	NA	0.5	0.5	0.6	2.5	0.9	0.6
		Aug-18	0.47	1.1	NA	1.0	1.1	1.2	4.2	0.84	0.75
		Aug-19	1.0	1.2	NA	0.6	1.9	0.9	1.3 J	1.7 J	0.9 J
		Oct-20	1.8	0.9	NA	0.5	0.6	0.4	2.6	0.6	0.8
		Aug-21	NS	NS	NS	NS	NS	NS	0.9	0.9	0.8
		Dec-21	0.8	0.7	NA	0.7	0.9	0.8	NS	NS	NS
		Aug-22	0.3	0.3	NA	0.5	0.3	0.4	4.3	0.2	0.4
Nitrogen as Nitrate-Nitrite	mg/L	Aug-23	0.5	0.5	NA	4.1	7.5	2.2	4.7	1.2	3.0
		Aug-25	1.6	0.4	NA	0.1	-0.1	-0.1	3.1	-0.1	0.2
		Nov-99	< 0.2	< 0.2	NA	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
		May-00	NA	< 0.2	NA	NA	NA	< 0.2	NA	< 0.2	NA
		Aug-17	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
		Aug-18	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.17	< 0.05	< 0.05
		Aug-19	0.95	0.11	0.84	0.15	0.15	0.15	0.23	0.17	0.16
		Oct-20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.38	0.19	< 0.1
		Aug/Dec-21	0.20 J	0.21 J	0.027 J	0.035 J	0.76 J	0.16	0.13	0.11	0.23 J
Nitrate as N	mg/L	Aug-22	< 0.05	0.020 J	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.84	< 0.05
		Aug-23	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.17	< 0.05	< 0.05
		Aug-25	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.042 J	< 0.05	< 0.05
Nitrite as N	mg/L	Aug-11	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.15	< 9.25	0.062
Nitrite as N	mg/L	Aug-11	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 11.27	< 0.01
Manganese	µg/L	Nov-99	235	98.2	NA	120	94.5	24.2	21.2	64.8	36.6
		May-00	NA	63	NA	NA	NA	13.8B	NA	61.9	NA

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Iron, Total	µg/L	Nov-99	5.3B	609	NA	678	623	75.6B	7B	16B	352
		May-00	NA	672	NA	NA	NA	131	NA	< 10.7	NA
		Aug-11	430	395	406	891	673	296	4240	187J	245J
		Aug-17	860	750	190	1000	700	460	3800	69	340
		Aug-18	640	290	290	1000	680	320	4200	110	370
		Aug-19	479	242	264	1340	719	302	56.7J	160	361
		Oct-20	486	287	249	1840	1020	846	854	< 150	371
		Aug-21	NS	NS	NS	NS	NS	NS	< 150	< 150	359
		Dec-21	499	414	385	1160	733	292	NS	NS	NS
		Aug-22	410	229	213	1610	829	482	9370	92.4	270
Iron, Ferrous (Dissolved)	mg/L	Aug-23	120	300	327	1290	775	269	315	120	291
		Aug-25	450	220	230	1100	740	290	1800	58	130
		Aug-11	2	< 1	NA	1	4	< 1	< 1	< 1	2
		Aug-17	0	0	NA	0.3	0.2	0	0	0	0.12
		Aug-18	0.47	0.3	0.28	0.95	0.66	0.27	0.069	0.083	0.36
		Aug-19	0.417	0.283	0.264	1.23	0.719	0.287	< .150	0.16	0.375
		Oct-20	0.521	0.265	0.299	1.32	0.695	0.257	0.253	< .150	0.339
		Aug-21	NS	NS	NS	NS	NS	NS	0.196 J	< 0.150	0.319
		Dec-21	0.303	0.407	0.415	1.07	0.839	0.305	NS	NS	NS
		Aug-22	0.339	0.174	0.182	1.08	0.752	0.202	0.103	0.0769	0.259
Sulfate	mg/L	Aug-23	0.122	0.319	0.315	1.06	0.761	0.257	<0.050	0.123	0.307
		Aug-25	0.260	0.230	0.220	0.860	0.670	0.250	0.300	0.050	0.200
		Nov-99	23	23	NA	25	26	17	20	23	19
		May-00	NA	24	NA	NA	NA	18	NA	24	NA
		Aug-11	33.8	28.3	28.4	35.2	29.8	20.3	22.1	224.1	22.9
		Aug-17	26.7	26.9	27.6	27.4	31.5	22.9	19.9	28	26.3
		Aug-18	28.1	27.1	27.2	28.3	30.8	22.9	21.9	31.5	28.5
		Aug-19	27	27	27	28	29	22	26	28	24
		Oct-20	29	24	24	56	31	21	18	26	25
		Aug-21	NS	NS	NS	NS	NS	NS	16	25	25
Sulfide	mg/L	Dec-21	31.8	26.1	26.2	29.3	29.1	22.1	NS	NS	NS
		Aug-22	29	27.3	30.7	27.9	30.5	27.6	88.9	26.9	21.6
		Aug-23	25.5	28.9	29.2	29.4	28.9	20.9	13.5	24.8	20.7
		Aug-25	28	26.5	25.8	25.1	28.6	21	14.9	24.6	16.8
		Nov-99	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.28
		May-00	NA	< 0.1	NA	NA	NA	0.4	NA	< 0.1	NA
		Aug-11	< 1	< 1	< 1	< 1	< 1	1	< 1	< 1	1
		Aug-17	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
		Aug-18	< 1	< 1	< 1	< 1	< 1	0.8 J	< 1	< 1	< 1
		Aug-19	< 1	< 1	< 1	< 1	< 1	0.73 J	< 1	< 1	< 1
Alkalinity	mg/L	Oct-20	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.89 J
		Aug-21	NS	NS	NS	NS	NS	NS	1.2	< 1.0	< 1.0
		Dec-21	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	NS
		Aug-22	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
		Aug-23	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
		Aug-25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
		Nov-99	334	343	NA	334	334	356	260	260	251
		May-00	NA	377	NA	NA	NA	291	NA	272	NA
		Aug-11	345	279	269	330	275	247	319	256	239
Chloride	mg/L	Nov-99	5.7	17.1	NA	6.6	8.6	5.7	5.7	4.8	3.8
		May-00	NA	9.6	NA	NA	NA	< 5.0	NA	< 5.0	NA
		Aug-11	3.1	3.4	3.4	2.8	3.9	4.1	1.8	113.1	4
Carbon Dioxide	µg/L	Nov-99	< 350	< 350	NA	< 350	< 350	< 350	< 350	< 350	< 350
		May-00	NA	< 350	NA	NA	NA	< 350	NA	< 350	NA
		Aug-11	4800	3000	3200	6200	4000	4900	4600	3200	2000

TABLE 2
SUMMARY OF 1,2-DCA CONCENTRATIONS, EVALUATED MNA PARAMETERS OVER TIME, AND
FINAL FIELD MEASURED PARAMETERS
2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Units	Date	Parameter Concentration by Location								
			MW-7D-S 39-72 ft	MW-7D-D 72-101 ft	MW-7D-D (Duplicate) 72-101 ft	MW-9D-3 38-55 ft	MW-9D-2 55-102 ft	MW-9D-1 102-147 ft	MW-10D-3 48-68 ft	MW-10D-2 68-110 ft	MW-10D-1 110-144 ft
Methane	µg/L	Nov-99	110	88	NA	85	81	15	< 2	8.6	21
		May-00	NA	90	NA	NA	NA	24	NA	7.2	NA
		Aug-11	< 2	< 2	< 2	< 2	< 2	4.2	< 2	< 2	16
		Aug-17	5.1	8.2	22	1.3	4.4	14	0.19 J	0.61	19
		Aug-18	11	51	49	2	15	33	< .58	1.8	43
		Aug-19	13	84	85	2.6	13	63	15	3.1	61
		Oct-20	18	280	270	4.1	36 J	38	0.18	3.5 J	69
		Aug-21	NS	NS	NS	NS	NS	NS	< 1.0	2.1	60
		Dec-21	4.8	69	61	< 4.0	13	24	NS	NS	NS
		Aug-22	3.6 J	11	10	< 4.0	3.8 J	38	< 4.0	2.2 J	75
pH (Field Measured)	std. units	Nov-99	7.4	7.3	NA	7.3	7.3	7.4	7.4	7.4	7.1
		May-00	NA	7.3	NA	NA	NA	7.5	NA	7.2	NA
		Aug-11	7.0	7.1	NA	7.1	7.4	7.0	7.0	6.9	7.2
		Aug-17	7.4	7.5	NA	7.4	7.6	7.7	7.1	7.5	7.6
		Aug-18	7.3	7.1	NA	5.7	5.7	5.7	7.4	7.4	7.3
		Aug-19	7.3	7.4	NA	7.3	7.1	7.0	7.6	7.4	7.4
		Oct-20	7.4	7.3	NA	7.2	7.2	7.1	6.8	7.2	7.4
		Aug-21	NS	NS	NS	NS	NS	NS	6.7	6.7	6.8
		Dec-21	7.3	7.4	NA	7.0	7.0	7.0	NS	NS	NS
		Aug-22	7.7	7.7	NA	7.3	7.3	7.2	7.4	7.4	7.5
Eh* (Field Measured)	mV	Nov-99	99.7	-52.2	NA	-91	-107	-127	-51	-111	-101
		May-00	NA	-128	NA	NA	NA	-184.9	NA	-52.9	NA
		Aug-11	71	78	NA	-87	-148	-89	46	67	-145
		Aug-17	-77	-54	NA	-160	-220	-210	80	-39	-120
		Aug-18	-9.4	36.8	NA	-134	-190	-200	34.4	-44.3	-89.3
		Aug-19	130	170	NA	-48	-41	-120	60	-24	-90
		Oct-20	-10	120	NA	-100	-100	-210	25	-60	-140
		Aug-21	NS	NS	NS	NS	NS	NS	-18	-41	-74.5
		Dec-21	31	18	NA	-15	-14	-10	NS	NS	NS
		Aug-22	1.4	-30	NA	-180	-258	-260	49	-83	-190
Temp. (Field Measured)	°C	Nov-99	5.7	7.4	NA	9.4	9.4	9.4	10	10	10
		May-00	NA	11	NA	NA	NA	10	NA	11	NA
		Aug-11	12	11	NA	Anomalous	13	14	13	13	13
		Aug-17	22	16	NA	15	13	15	12	12	13
		Aug-18	13	13	NA	14	14	15	10	11	11
		Aug-19	12	13	NA	15	13	14	13	15	19
		Oct-20	11	13	NA	12	12	12	11	12	14
		Aug-21	NS	NS	NS	NS	NS	NS	11	14	13
		Dec-21	10	10	NA	10	10	10	NS	NS	NS
		Aug-22	11	13	NA	13	11	14	11	11	14
		Aug-23	12	12	NA	12	11	13	11	12	14
		Aug-25	11	12	NA	13	12	12	11	12	13

Notes:

* Eh is a measurement of Oxidation-Reduction Potential (ORP) using a hydrogen electrode.

1,2-DCA = 1,2-Dichloroethane

B = data qualifier indicating the analyte was present in the associated laboratory blank

J = data qualifier indicating the analyte concentration is estimated

NA = not analyzed; NS = not sampled; < = not detected

°C = degrees Celsius

µg/L = micrograms per Liter

mg/L = milligrams per Liter

mV = millivolts

std. units = Standard Units

TABLE 3
SUMMARY OF DETECTED
VOCs IN BEDROCK WELLS
2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S
	Sample Date			8/23/2011	8/28/2012	8/21/2013	8/19/2014	8/19/2015	8/23/2016	8/22/2017	8/28/2018	8/20/2019	10/7/2020	12/1/2021	8/25/2022	8/23/2023	8/27/2025	8/23/2011
	Sample ID			MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-S	MW-7D-D Dup
	Screen Depth (ft bgs)			39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	39 - 72	72 - 101
Qc Code	Qc Code			FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FD
	GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result
1,4-Dioxane by Method 8260D-SIM (ug/L)																		
1,4-Dioxane	1 *	0.35 **	NS	--	--	--	--	--	--	2.6	3.4	--	--	1.6	2.6	4.7	1.4 J	--
VOCs by Method 8260 (ug/L)																		
1,1-Dichloroethane	5	NS	NS	0.5 J	0.55 J	2 U	2 U	4 U	1 U	0.42 J	0.57	0.5	0.3 J	0.5 U	0.34 J	0.5 U	0.29 J	0.48 J
1,2-Dichloroethane	0.6	NS	5	130	100	44	65	61	46	59	53	58	49	48	50	28	55	50
1,2-Dichloroethene (total)	5	NS	70	--	7.6	2.3 J	6.4	5.3 J	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	1 *	0.35 **	NS	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	10 U
Acetone	50	50	NS	5 U	5 U	10 U	10 U	20 U	5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	NS	5	1 U	3.4	2 U	1.4 J	1.1 J	1 U	0.91	0.97	0.69	0.66	0.92	0.64	0.45 J	0.63	1 U
Carbon disulfide	60	60	NS	1 U	1 U	2 U	2 U	4 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U
Chloroform	7	NS	80	1 U	1 U	2 U	2 U	4 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
cis-1,2-Dichloroethene	5	NS	70	20	7.6	2.3	6.4	5.3	4.5	5.2	4.9	6.5	6.2	7.2	6.5	2.9	8	2.8
Tetrachloroethene	5	NS	5	1 U	1 U	2 U	2 U	4 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
Trichloroethene	5	NS	5	2.4	1.7	2 U	1.1 J	1.2 J	1 U	0.98	1.1	1.5	1.2	1.6	1.4	0.65	1.9	1 U

Notes:
ft bgs = feet below ground surface
GA = NYSDEC Standard; GV = NYSDEC Guidance Value
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TABLE 3
SUMMARY OF DETECTED
VOCs IN BEDROCK WELLS
2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D
	Sample Date			8/23/2011	8/28/2012	8/28/2012	8/21/2013	8/21/2013	8/19/2014	8/19/2014	8/19/2015	8/19/2015	8/23/2016	8/23/2016	8/22/2017	8/22/2017	8/28/2018	8/28/2018
	Sample ID			MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-7D-D-Dup	MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-7D-D DUP	MW-7D-D
	Screen Depth (ft bgs)			72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101
	Qc Code			FS	FD	FS	FD	FS	FD	FS	FD	FS	FD	FS	FD	FS	FD	FS
GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)																		
1,4-Dioxane	1 *	0.35 **	NS	--	--	--	--	--	--	--	--	--	--	--	4.2 J	2.4 J	5.6	5.8
VOCs by Method 8260 (ug/L)																		
1,1-Dichloroethane	5	NS	NS	0.47 J	0.59 J	0.54 J	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	0.39 J	0.5	0.4 J	0.37 J
1,2-Dichloroethane	0.6	NS	5	48	130 J	130 J	81	86	78	78	81 J	79 J	73	71	58 J	72 J	36	35
1,2-Dichloroethene (total)	5	NS	70	--	11	10	9.2 J	9.5 J	6.3 J	6.5 J	5.6 J	5.5 J	--	--	--	--	--	--
1,4-Dioxane	1 *	0.35 **	NS	10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	50	NS	5 U	5 U	5 U	25 U	25 U	25 U	25 U	25 U	25 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Benzene	1	NS	5	1 U	5.4	5.3	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	0.63	0.94	0.47 J	0.48 J
Carbon disulfide	60	60	NS	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U
Chloroform	7	NS	80	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	NS	70	2.9	11	10	9.2	9.5	6.3	6.5	5.6	5.5	7.7	7.3	4.1	6.2	2.6	2.5
Tetrachloroethene	5	NS	5	1 U	1 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	NS	5	1 U	1.6 J	1 UJ	5 U	5 U	5 U	5 U	5 U	5 U	1.2	1.2	0.94	1.3	0.61	0.6

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TABLE 3
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VOCs IN BEDROCK WELLS
2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-7D-D	MW-9D-3	MW-9D-3	MW-9D-3	
	Sample Date			8/20/2019	8/20/2019	10/7/2020	10/7/2020	12/1/2021	12/1/2021	8/25/2022	8/25/2022	8/23/2023	8/23/2023	8/27/2025	8/27/2025	8/23/2011	8/28/2012	8/21/2013
	Sample ID			MW-7D-D DUP	MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-7D-D-DUP	MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-7D-DUP	MW-7D-D	MW-7D-D DUP	MW-7D-D	MW-9D-3	MW-9D-3	MW-9D-3
	Screen Depth (ft bgs)			72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	72 - 101	38 - 55	38 - 55	38 - 55
	Qc Code			FD	FS	FD	FS	FD	FS	FD	FS	FD	FS	FD	FS	FS	FS	FS
GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)																		
1,4-Dioxane	1 *	0.35 **	NS	--	--	--	--	6.6	6.8	5.9	6.3	2	1.7	4	3.7	--	--	--
VOCs by Method 8260 (ug/L)																		
1,1-Dichloroethane	5	NS	NS	0.28 J	0.3 J	0.5 U	0.5 U	0.5 U	0.5 U	0.28 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 J	0.55 J	4 U
1,2-Dichloroethane	0.6	NS	5	37	36	36	35	29	30	36	31	47	47	26	25	110	110	90
1,2-Dichloroethene (total)	5	NS	70	--	--	--	--	--	--	--	--	--	--	--	--	--	5.7	6 J
1,4-Dioxane	1 *	0.35 **	NS	--	--	--	--	--	--	--	--	--	--	--	--	10 U	--	--
Acetone	50	50	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	20 U
Benzene	1	NS	5	0.5 U	0.5 U	0.36 J	0.33 J	0.37 J	0.35 J	0.33 J	0.33 J	0.84	0.83	0.38 J	0.35 J	1 UJ	2.6	4 U
Carbon disulfide	60	60	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	4 U
Chloroform	7	NS	80	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	1 U	4 U
cis-1,2-Dichloroethene	5	NS	70	3.1	2.9	1.9	2	1.8	1.8	2.7	2.7	7	6.7	2.4	2.5	6.8 J	5.7	6
Tetrachloroethene	5	NS	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	1 U	4 U
Trichloroethene	5	NS	5	0.43 J	0.44 J	0.5 U	0.5 U	0.5 U	0.5 U	0.55	0.51	1.6	1.6	0.55	0.6	5.3 J	3.1	4 U

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TABLE 3
SUMMARY OF DETECTED
VOCs IN BEDROCK WELLS
2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-2	MW-9D-2	MW-9D-2	MW-9D-2
	Sample Date			8/19/2014	8/19/2015	8/23/2016	8/22/2017	8/28/2018	8/20/2019	10/7/2020	12/1/2021	8/25/2022	8/23/2023	8/27/2025	8/30/2011	8/28/2012	8/21/2013
	Sample ID			MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-3	MW-9D-2	MW-9D-2	MW-9D-2
	Screen Depth (ft bgs)			38 - 55	38 - 55	38 - 55	38 - 55	38 - 55	38 - 55	38 - 55	38 - 55	38 - 55	38 - 55	38 - 55	55 - 102	55 - 102	55 - 102
Parameter Name	Qc Code			FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
	GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)																	
1,4-Dioxane	1 *	0.35 **	NS	--		--		--	1.1	1.2	--	--	1.1	1.1	1	1.6 U	--
VOCs by Method 8260 (ug/L)																	
1,1-Dichloroethane	5	NS	NS	4 U		4 U		1 U	0.32 J	0.27 J	0.26 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U
1,2-Dichloroethane	0.6	NS	5	78		86		87	79	58	53	75	54	63	46	46	73
1,2-Dichloroethene (total)	5	NS	70	5.6 J		5.2 J		--	--	--	--	--	--	--	--	--	5.3
1,4-Dioxane	1 *	0.35 **	NS	--		--		--	--	--	--	--	--	--	--	10 U	--
Acetone	50	50	NS	20 U		20 U		5 U	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	9 J	5 U
Benzene	1	NS	5	4 U		4 U		1 U	0.56	0.88	0.5 U	0.61	0.81	0.8	0.66	0.49 J	4 U
Carbon disulfide	60	60	NS	4 U		4 U		1 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
Chloroform	7	NS	80	4 U		4 U		1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U
cis-1,2-Dichloroethene	5	NS	70	5.6		5.2		6.7	5.7	5.6	5.1	5.7	5.1	5.2	4	4	9.2
Tetrachloroethene	5	NS	5	4 U		4 U		1 U	0.29 J	0.34 J	0.5 U	0.5 U	0.31 J	0.28 J	0.5 U	0.28 J	4 U
Trichloroethene	5	NS	5	4		3.8 J		3.3	3.4	3.9	3.4	3.2	3.7	3.2	3.3	3.2	4 U

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SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-1		MW-9D-1		MW-9D-1		MW-9D-1		MW-9D-1		MW-9D-1	
	Sample Date			8/19/2015		8/23/2016		8/22/2017		8/28/2018		8/20/2019		10/7/2020		12/1/2021		8/25/2022		8/23/2023		8/27/2025		8/23/2011		8/28/2012		8/21/2013		8/19/2014		8/19/2015		8/23/2016	
	Sample ID			MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-2		MW-9D-1		MW-9D-1		MW-9D-1		MW-9D-1		MW-9D-1		MW-9D-1	
	Screen Depth (ft bgs)			55 - 102		55 - 102		55 - 102		55 - 102		55 - 102		55 - 102		55 - 102		55 - 102		55 - 102		55 - 102		102 - 147		102 - 147		102 - 147		102 - 147		102 - 147		102 - 147	
Parameter Name	Qc Code			FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS		FS	
	GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)																																			
1,4-Dioxane	1 *	0.35 **	NS	--		--		7.2		10		--		--		9.9		6.3		8.7		5.7		--		--		--		--		--		--	
VOCs by Method 8260 (ug/L)																																			
1,1-Dichloroethane	5	NS	NS	5 U		1 U		0.41 J		0.36 J		0.32 J		0.37 J		0.5 U		0.5 U		0.5 U		0.5 U		0.42 J		0.42 J		5 U		5 U		5 U		1 U	
1,2-Dichloroethane	0.6	NS	5	92		79		85		59		60		56		41		34		39		41		89		78		78		71		73		62	
1,2-Dichloroethene (total)	5	NS	70	6 J		--		--		--		--		--		--		--		--		--		--		6.4		5.9 J		4.8 J		4.9 J		--	
1,4-Dioxane	1 *	0.35 **	NS	--		--		--		--		--		--		--		--		--		--		10 U		--		--		--		--		--	
Acetone	50	50	NS	25 U		5 U		2.5 U		2.5 U		5 U		5 U		5 U		5 U		5 U		5 U		5 U		25 U		5 U		25 U		25 U		5 U	
Benzene	1	NS	5	5 U		1.3		0.87		0.78		0.98		1.2		0.76		0.79		0.91		0.89		4.3		3.8		5 U		3.1 J		3.4 J		3.2	
Carbon disulfide	60	60	NS	5 U		1 U		0.5 UJ		0.5 U		0.5 U		0.5 U		0.5 U		1 U		1 U		1 U		1 U		1 U		5 U		5 U		5 U		1 U	
Chloroform	7	NS	80	5 U		1 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		1 U		1 U		5 U		5 U		5 U		1 U	
cis-1,2-Dichloroethene	5	NS	70	6		8.4		6.9		6.1		6		6.6		5		5.1		4.4		4.9		5.6		6.4		5.9		4.8 J		4.9 J		5.7	
Tetrachloroethene	5	NS	5	5 U		1 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		1 U		1 U		5 U		5 U		5 U		1 U	
Trichloroethene	5	NS	5	1.5 J		1.8		1.2		0.94		0.89		1.1		0.6		1.5		0.72		0.82		1 U		0.68 J		5 U		5 U		5 U		1 U	

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2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3
	Sample Date			8/22/2017	8/28/2018	8/20/2019	10/7/2020	12/1/2021	8/25/2022	8/23/2023	8/27/2025	8/24/2011	8/29/2012	8/22/2013	8/20/2014	8/20/2015	8/24/2016		
	Sample ID			MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-9D-1	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3		
	Screen Depth (ft bgs)			102 - 147	102 - 147	102 - 147	102 - 147	102 - 147	102 - 147	102 - 147	102 - 147	40 - 68	40 - 68	40 - 68	40 - 68	40 - 68	40 - 68		
Parameter Name	Qc Code			FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS		
	GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)																			
1,4-Dioxane	1 *	0.35 **	NS	11		13		--		--		10		9.9		9.9		8	
VOCs by Method 8260 (ug/L)																			
1,1-Dichloroethane	5	NS	NS	0.43 J		0.35 J		0.34 J		0.27 J		0.29 J		0.29 J		0.5 U		0.5 U	
1,2-Dichloroethane	0.6	NS	5	70		52		56		54		50		42		42		45	
1,2-Dichloroethene (total)	5	NS	70	--		--		--		--		--		--		--		--	
1,4-Dioxane	1 *	0.35 **	NS	--		--		--		--		--		--		10 U		--	
Acetone	50	50	NS	2.5 U		2.5 U		5 U		5 U		5 U		5 U		5 U		5 U	
Benzene	1	NS	5	3.5		3.3		3.3		3.3		2.5		3.1		2.9		1 U	
Carbon disulfide	60	60	NS	0.5 UJ		0.5 U		0.5 U		0.5 U		1 U		1 U		1 U		1 U	
Chloroform	7	NS	80	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
cis-1,2-Dichloroethene	5	NS	70	5.3		4.5		5.1		4.7		4.7		4.2		3.7		4.7	
Tetrachloroethene	5	NS	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Trichloroethene	5	NS	5	0.6		0.48 J		0.43 J		0.42 J		0.36 J		0.5 U		0.28 J		0.5 U	

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TABLE 3
SUMMARY OF DETECTED
VOCs IN BEDROCK WELLS
2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	
	Sample Date			8/23/2017	8/20/2018	8/21/2019	10/8/2020	8/24/2021	8/24/2022	8/22/2023	8/26/2025	8/24/2011	8/29/2012	8/22/2013	8/20/2014	8/20/2015	8/24/2016	8/23/2017	
	Sample ID			MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-3	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	
	Screen Depth (ft bgs)			40 - 68	40 - 68	40 - 68	40 - 68	40 - 68	40 - 68	40 - 68	40 - 68	40 - 68	68 - 110	68 - 110	68 - 110	68 - 110	68 - 110	68 - 110	68 - 110
	Qc Code			FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
GA				GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)																			
1,4-Dioxane	1 *	0.35 **	NS	0.4 U	0.4 U	--	--	0.4 U	0.4 U	0.4 U	1.6 U	--	--	--	--	--	--	0.4 U	
VOCs by Method 8260 (ug/L)																			
1,1-Dichloroethane	5	NS	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	0.5 U	
1,2-Dichloroethane	0.6	NS	5	0.6	0.89	0.81	0.5 U	0.87	0.5 U	0.5 U	0.54	43	43	11	28	37	29	32	
1,2-Dichloroethene (total)	5	NS	70	--	--	--	--	--	--	--	--	--	0.7 J	0.51 J	0.58 J	4 U	--	--	
1,4-Dioxane	1 *	0.35 **	NS	--	--	--	--	--	--	--	--	10 U	--	--	--	--	--	--	
Acetone	50	50	NS	2.5 U	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	2.5 U	
Benzene	1	NS	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	1 U	1 U	1 U	2 U	1 U	0.5 U	
Carbon disulfide	60	60	NS	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	0.5 UJ	
Chloroform	7	NS	80	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	2 U	1 U	0.5 U	
cis-1,2-Dichloroethene	5	NS	70	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.7 J	0.51 J	0.58 J	2 U	1 U	0.77	
Tetrachloroethene	5	NS	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 UJ	1 U	1 U	1 U	2 U	1 U	0.5 U	
Trichloroethene	5	NS	5	0.71	0.68	0.44 J	0.35 J	0.66	0.35 J	0.5 U	0.56	1 UJ	1 U	1 U	1 U	2 U	1 U	0.33 J	

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VOCs IN BEDROCK WELLS
2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1
	Sample Date			8/20/2018	8/21/2019	10/8/2020	8/24/2021	8/24/2022	8/22/2023	8/26/2025	8/30/2011	8/29/2012	8/22/2013	8/20/2014	8/20/2015	8/24/2016	8/23/2017	8/20/2018
	Sample ID			MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-2	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1	MW-10D-1
	Screen Depth (ft bgs)			68 - 110	68 - 110	68 - 110	68 - 110	68 - 110	68 - 110	68 - 110	110 - 144	110 - 144	110 - 144	110 - 144	110 - 144	110 - 144	110 - 144	110 - 144
	Qc Code			FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)																		
1,4-Dioxane	1 *	0.35 **	NS	0.4 U	--	--	0.4 U	0.4 U	0.4 U	1.6 U	--	--	--	--	--	--	1.3	1.2
VOCs by Method 8260 (ug/L)																		
1,1-Dichloroethane	5	NS	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 U	2 U	2 U	1 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	NS	5	23	24	26	15	19	7.8	23	36	34	27	29	31	27	27	21
1,2-Dichloroethene (total)	5	NS	70	--	--	--	--	--	--	--	--	1.2 J	4 U	0.98 J	0.95 J	--	--	--
1,4-Dioxane	1 *	0.35 **	NS	--	--	--	--	--	--	--	10 U	--	--	--	--	--	--	--
Acetone	50	50	NS	2.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U	2.5 U	2.5 U
Benzene	1	NS	5	0.44 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.18 J	1 U	2 U	2 U	2 U	1 U	0.13 J	0.1 J
Carbon disulfide	60	60	NS	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	0.41 J	1 U	2 U	2 U	2 U	1 U	0.5 UJ	0.5 U
Chloroform	7	NS	80	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.28 J	1 U	2 U	2 U	2 U	1 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	NS	70	0.55	0.58	0.53	0.61	0.56	0.39 J	0.54	1.6	1.2	2 U	0.98 J	0.95 J	1.3	1.1	1.2
Tetrachloroethene	5	NS	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 U	2 U	2 U	1 U	0.5 U	0.5 U
Trichloroethene	5	NS	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	1 U	2 U	2 U	2 U	1 U	0.5 U	0.5 U

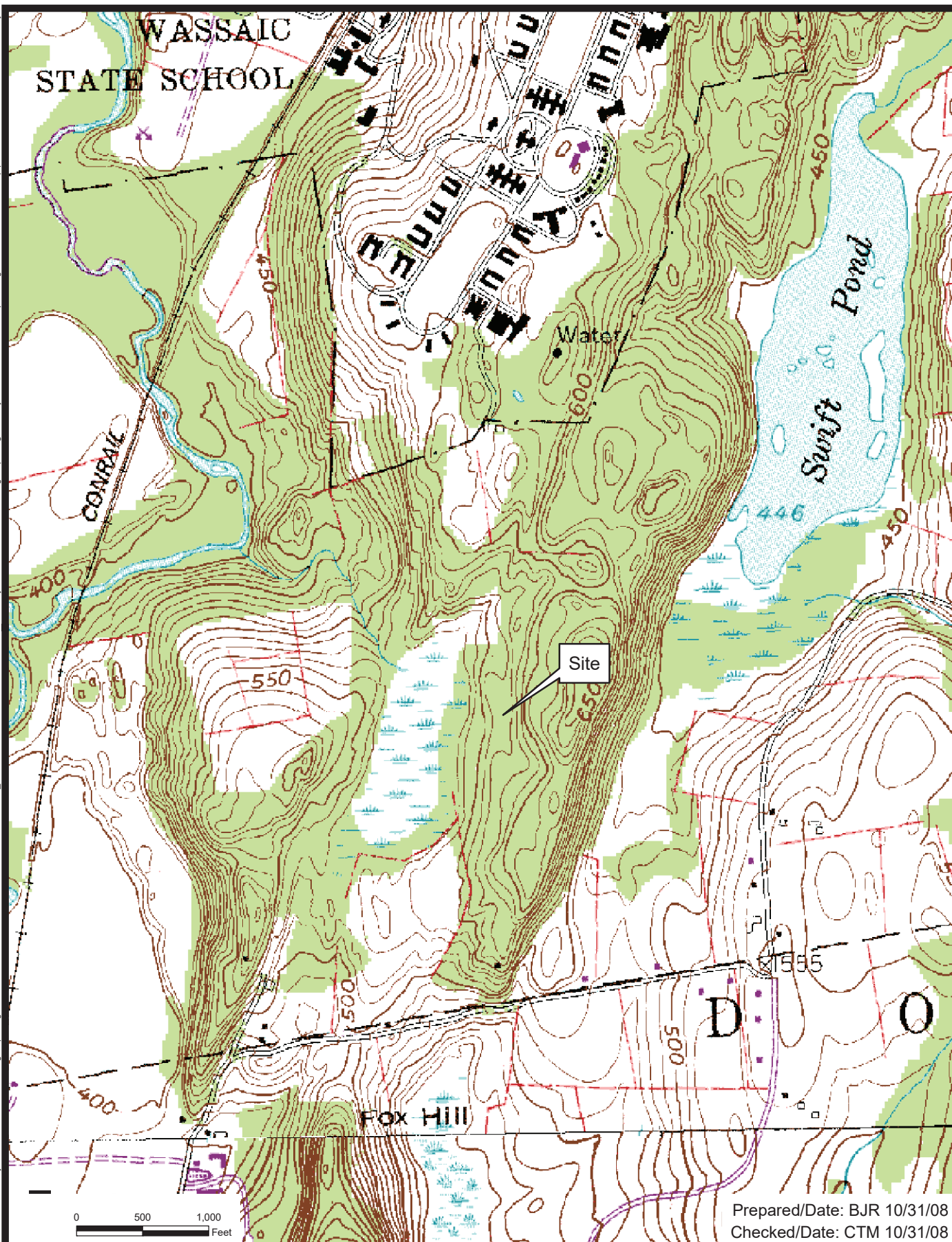
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2011 THROUGH 2025 SAMPLING EVENTS
2025 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Parameter Name	Location			MW-10D-1		MW-10D-1		MW-10D-1		MW-10D-1		MW-10D-1		MW-10D-1	
	Sample Date			8/21/2019		10/8/2020		8/24/2021		8/24/2022		8/22/2023		8/26/2025	
	Sample ID			MW-10D-1		MW-10D-1		MW-10D-1		MW-10D-1		MW-10D-1		MW-10D-1	
	Screen Depth (ft bgs)			110 - 144		110 - 144		110 - 144		110 - 144		110 - 144		110 - 144	
	Qc Code			FS		FS		FS		FS		FS		FS	
Parameter Name	GA	GV	EPA MCL	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,4-Dioxane by Method 8260D-SIM (ug/L)															
1,4-Dioxane	1 *	0.35 **	NS	--		--		1.1		0.8		1.3		1.6 U	
VOCs by Method 8260 (ug/L)															
1,1-Dichloroethane	5	NS	NS	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
1,2-Dichloroethane	0.6	NS	5	21		20		19		18		14		17	
1,2-Dichloroethene (total)	5	NS	70	--		--		--		--		--		--	
1,4-Dioxane	1 *	0.35 **	NS	--		--		--		--		--		--	
Acetone	50	50	NS	5 U		5 U		5 U		5 U		8.5 U		5 U	
Benzene	1	NS	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.13 J	
Carbon disulfide	60	60	NS	0.5 U		0.5 U		0.5 U		1 U		1 U		1 U	
Chloroform	7	NS	80	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
cis-1,2-Dichloroethene	5	NS	70	1.1		0.98		1.1		0.95		0.78		0.82	
Tetrachloroethene	5	NS	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	
Trichloroethene	5	NS	5	0.5 U		0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	

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FIGURES



Prepared/Date: BJR 10/31/08
Checked/Date: CTM 10/31/08

Sarney Farm Superfund Site
Amenia, New York

**EARTH
ENVIRONMENT**
Engineering and Geology P.C.

Figure 1
Site Location Map
Project US0035968.9720

C:\Users\USNW720065\OneDrive - WSP 0365\Projects\CTTEC\Armenia NY\Sarney Farm\Figures\Fig 2 Site Plan.dwg Mon, 21 Oct 2024 - 3:42pm USNW720065

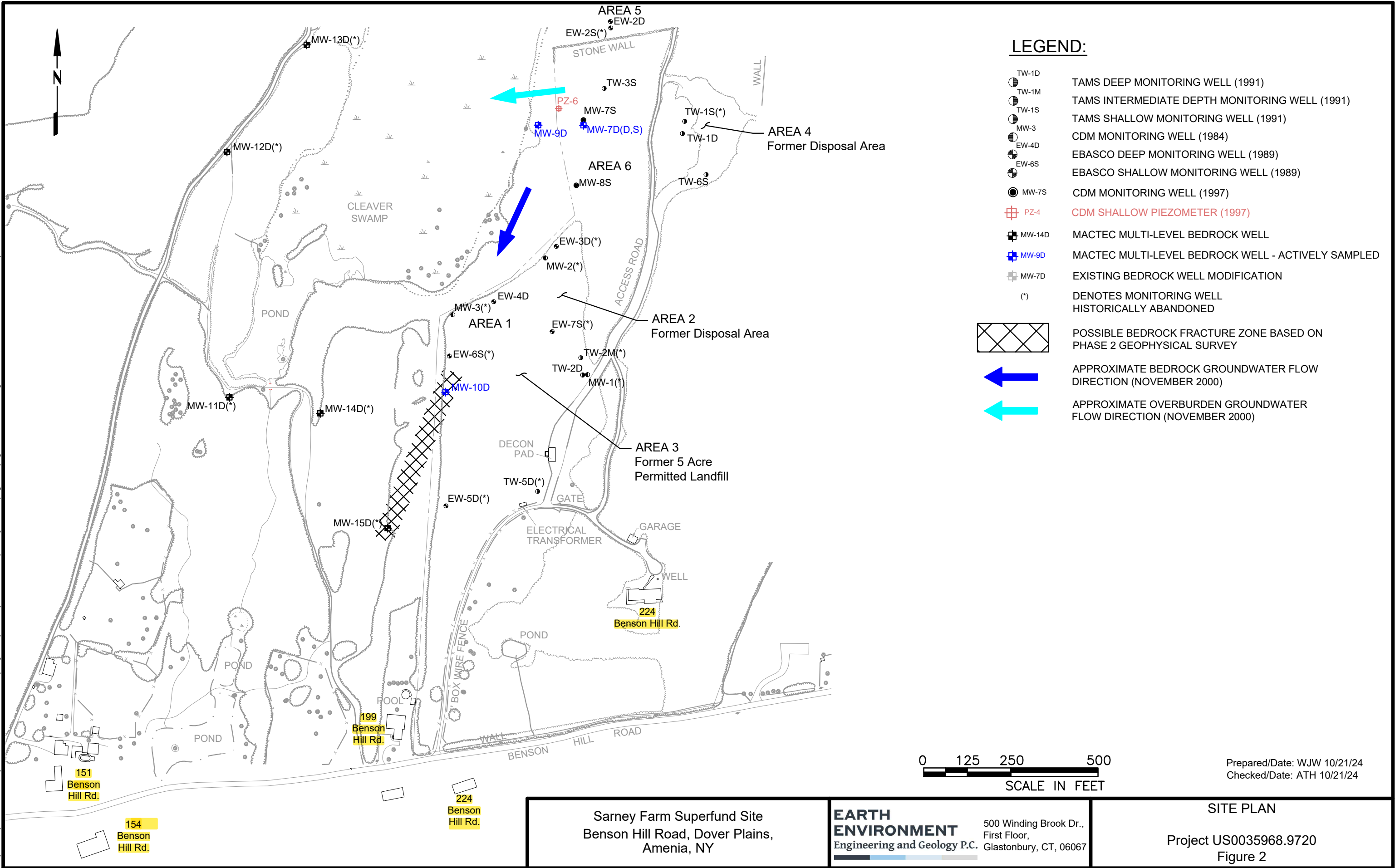


Figure 3
1,2-DCA Concentrations in Groundwater
August 2011 to August 2025
MW-7 Series
Sarney Farm Superfund Site
Amenia, New York

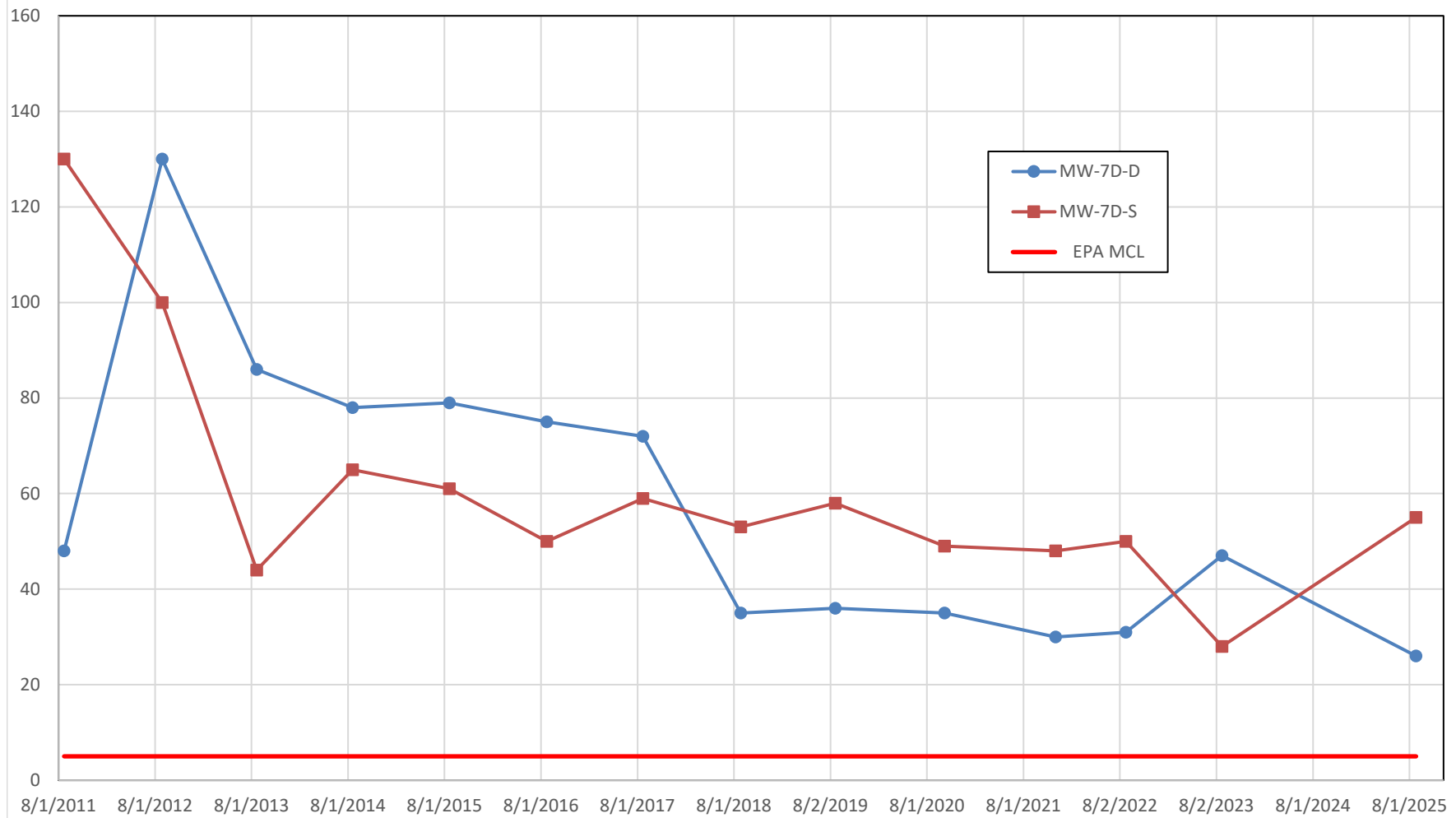


Figure 4
1,2-DCA Concentrations in Groundwater
MW-7 Series
Sarney Farm Superfund Site
Amenia, New York

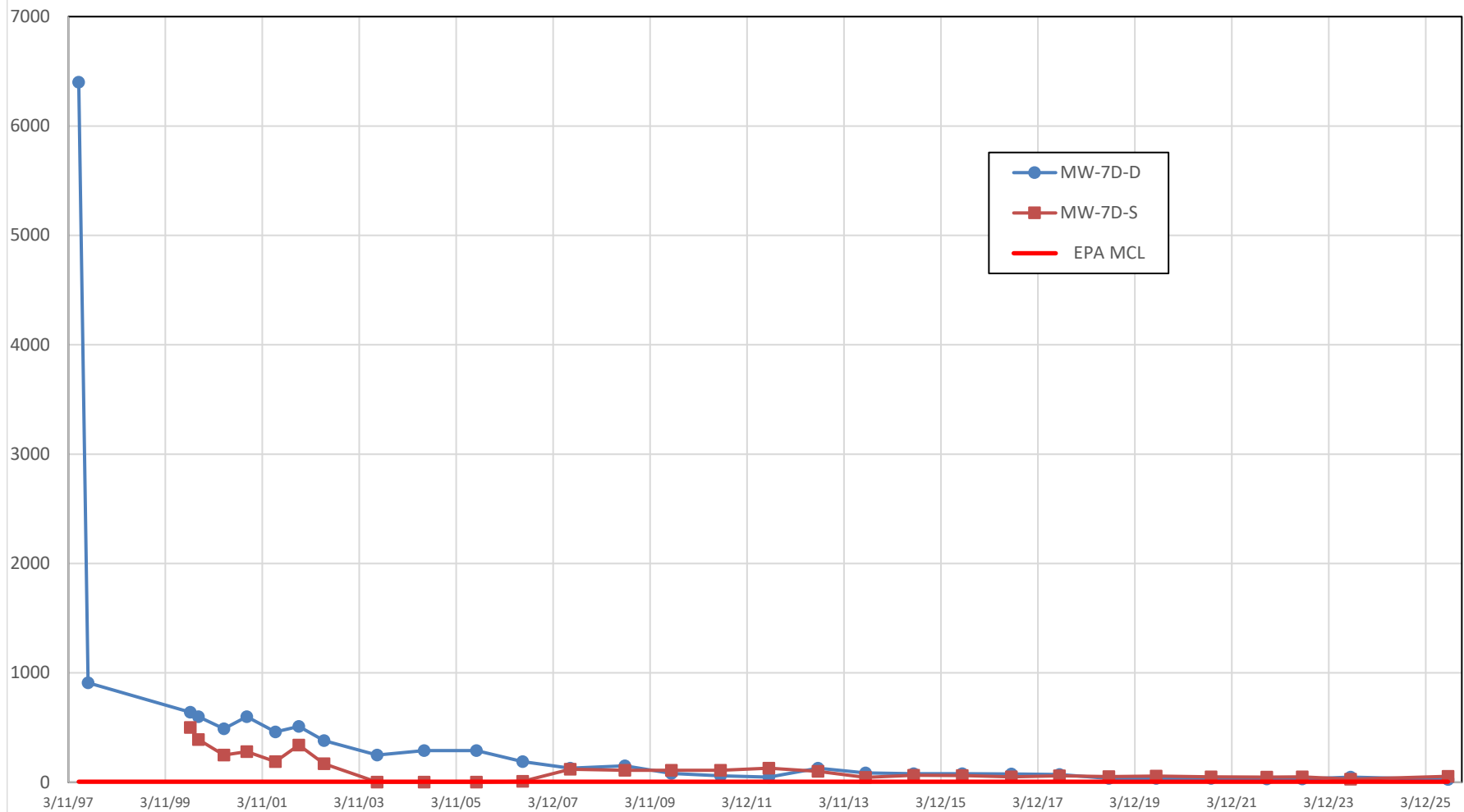


Figure 5
1,2-DCA Concentrations in Groundwater
August 2011 to August 2025
MW-9 Series
Sarney Farm Superfund Site
Amenia, New York



Figure 6
1,2-DCA Concentrations in Groundwater
MW-9 Series
Sarney Farm Superfund Site
Amenia, New York

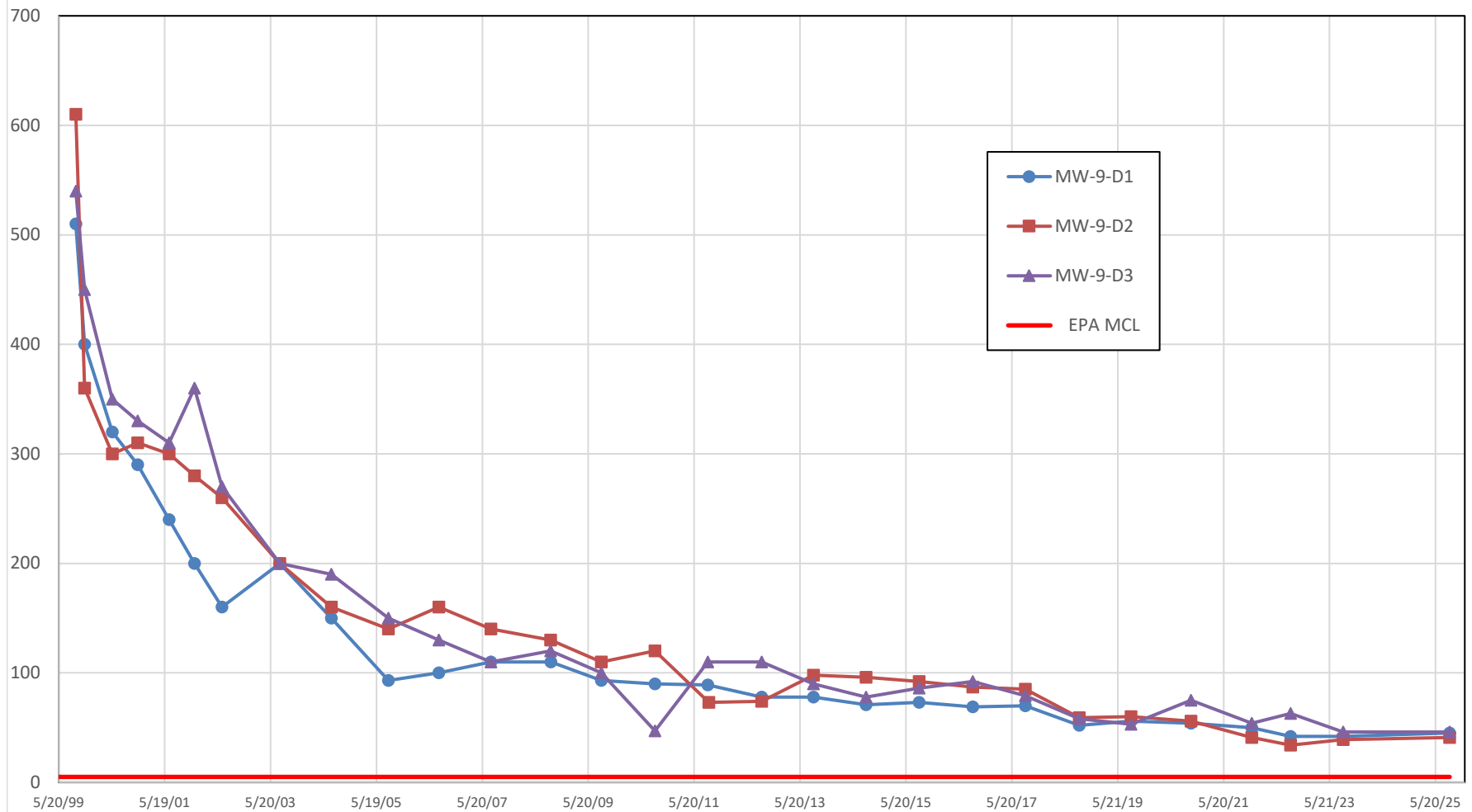


Figure 7
1,2-DCA Concentrations in Groundwater
August 2011 to August 2025
MW-10 Series
Sarney Farm Superfund Site
Amenia, New York

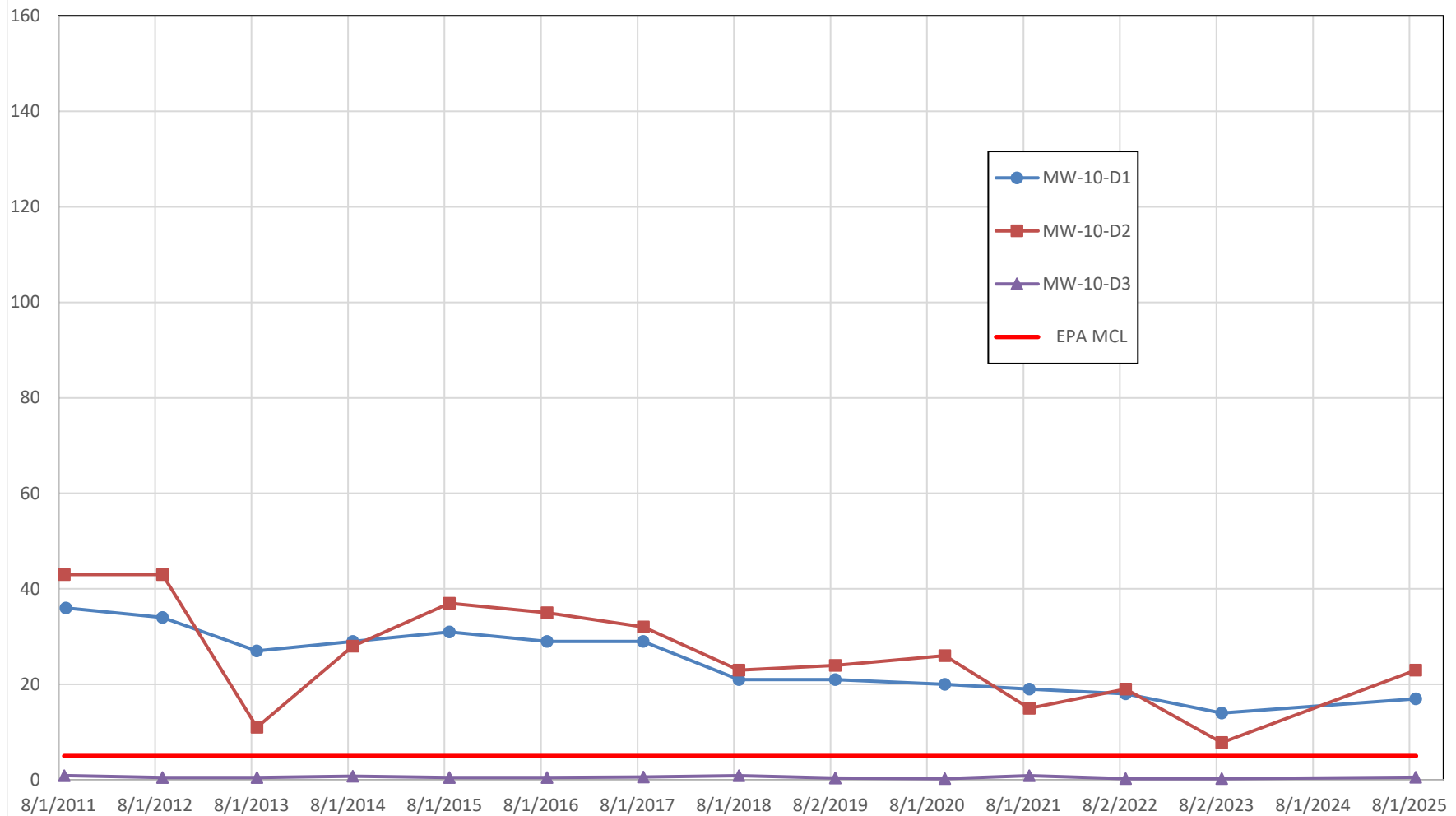
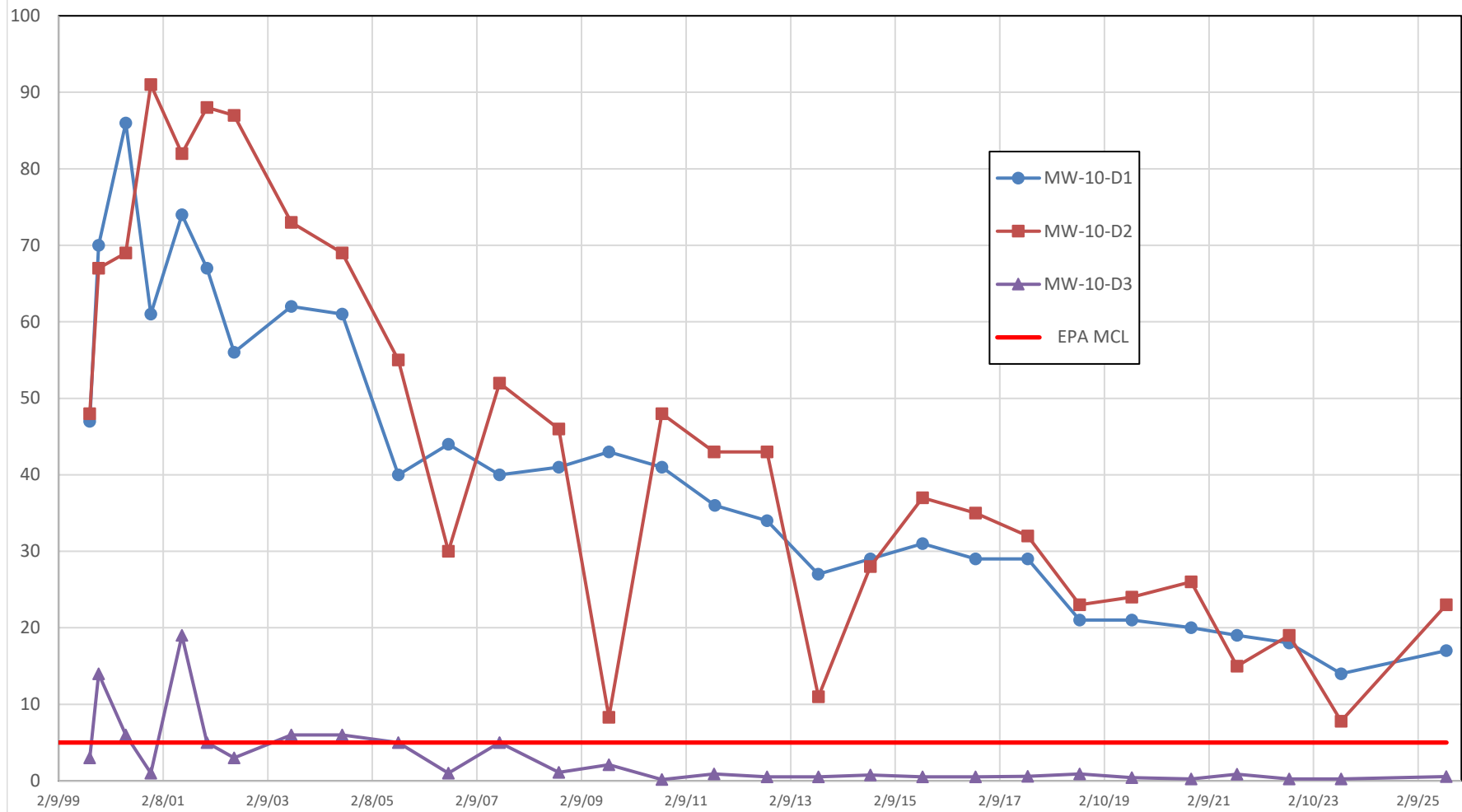


Figure 8
1,2-DCA Concentrations in Groundwater
MW-10 Series
Sarney Farm Superfund Site
Amenia, New York



APPENDIX A

2022 Laboratory Data Reports

ANALYTICAL REPORT

PREPARED FOR

Attn: Joshua Minardi
WSP USA Inc
500 Winding Brook Dr
First Floor
Glastonbury, Connecticut 06033

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JOB DESCRIPTION

Sarney Farm Superfund Site, Amenia, NY

JOB NUMBER

480-232200-1

Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Authorized for release by
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Definitions/Glossary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc
Project: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Job ID: 480-232200-1

Eurofins Buffalo

Job Narrative 480-232200-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/29/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7°C and 3.6°C.

GC/MS VOA

Method 8260D_LL: The continuing calibration verification (CCV) analyzed in batch 460-1060114 was outside the method criteria for the following analyte(s): Carbon tetrachloride (biased high) and Chloromethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D_LL: The laboratory control sample (LCS) for analytical batch 460-1060114 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

GC VOA

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

Metals

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

General Chemistry

Method 300.0_28D: The following samples were diluted due to the nature of the sample matrix: MW-10D-1 (480-232200-1), MW-10D-2 (480-232200-2), MW-10D-3 (480-232200-3), MW-7D-S (480-232200-4), MW-7D-D (480-232200-5), MW-7D-D DUP (480-232200-6), MW-9D-1 (480-232200-7), MW-9D-2 (480-232200-8) and MW-9D-3 (480-232200-9). Elevated reporting limits (RLs) are provided.

Method SM4500_S2_F: The method requirement for no headspace was not met. The following samples were analyzed with headspace in the sample container(s): MW-10D-1 (480-232200-1), MW-10D-2 (480-232200-2), MW-10D-3 (480-232200-3), MW-7D-S (480-232200-4), MW-7D-D (480-232200-5), MW-7D-D DUP (480-232200-6), MW-9D-1 (480-232200-7), MW-9D-2 (480-232200-8) and MW-9D-3 (480-232200-9).

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

Eurofins Buffalo

Detection Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Client Sample ID: MW-10D-1

Lab Sample ID: 480-232200-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	17		0.50	0.087	ug/L	1		8260D	Total/NA
Benzene	0.13	J	0.50	0.070	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.82		0.50	0.48	ug/L	1		8260D	Total/NA
Methane	240		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.13		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.20		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	16.8		4.0	0.70	mg/L	2		300.0	Total/NA
Total Organic Carbon	0.64	J	1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: MW-10D-2

Lab Sample ID: 480-232200-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	23		0.50	0.087	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.54		0.50	0.48	ug/L	1		8260D	Total/NA
Methane	1.2	J	4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.058		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.050		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	24.6		4.0	0.70	mg/L	2		300.0	Total/NA

Client Sample ID: MW-10D-3

Lab Sample ID: 480-232200-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.54		0.50	0.087	ug/L	1		8260D	Total/NA
Trichloroethene	0.56		0.50	0.074	ug/L	1		8260D	Total/NA
Iron	1.8		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.30		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	14.9		4.0	0.70	mg/L	2		300.0	Total/NA
Nitrate Nitrite as N	0.042	J	0.050	0.020	mg/L	1		353.2	Total/NA
Total Organic Carbon	0.50	J	1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: MW-7D-S

Lab Sample ID: 480-232200-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	1.4	J	1.6	0.61	ug/L	1		8260C SIM	Total/NA
1,1-Dichloroethane	0.29	J	0.50	0.26	ug/L	1		8260D	Total/NA
1,2-Dichloroethane	55		0.50	0.087	ug/L	1		8260D	Total/NA
Benzene	0.63		0.50	0.070	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	8.0		0.50	0.48	ug/L	1		8260D	Total/NA
Trichloroethene	1.9		0.50	0.074	ug/L	1		8260D	Total/NA
Methane	1.4	J	4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.45		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.26		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	28.0		4.0	0.70	mg/L	2		300.0	Total/NA
Total Organic Carbon	0.51	J	1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: MW-7D-D

Lab Sample ID: 480-232200-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3.7		1.6	0.61	ug/L	1		8260C SIM	Total/NA
1,2-Dichloroethane	25		0.50	0.087	ug/L	1		8260D	Total/NA
Benzene	0.35	J	0.50	0.070	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.5		0.50	0.48	ug/L	1		8260D	Total/NA
Trichloroethene	0.60		0.50	0.074	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Client Sample ID: MW-7D-D (Continued)

Lab Sample ID: 480-232200-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	56		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.22		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.23		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	26.5		4.0	0.70	mg/L	2		300.0	Total/NA

Client Sample ID: MW-7D-D DUP

Lab Sample ID: 480-232200-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	4.0		1.6	0.61	ug/L	1		8260C SIM	Total/NA
1,2-Dichloroethane	26		0.50	0.087	ug/L	1		8260D	Total/NA
Benzene	0.38	J	0.50	0.070	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.4		0.50	0.48	ug/L	1		8260D	Total/NA
Trichloroethene	0.55		0.50	0.074	ug/L	1		8260D	Total/NA
Methane	69		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.23		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.22		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	25.8		4.0	0.70	mg/L	2		300.0	Total/NA

Client Sample ID: MW-9D-1

Lab Sample ID: 480-232200-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	8.0		1.6	0.61	ug/L	1		8260C SIM	Total/NA
1,2-Dichloroethane	45		0.50	0.087	ug/L	1		8260D	Total/NA
Benzene	2.9		0.50	0.070	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.7		0.50	0.48	ug/L	1		8260D	Total/NA
Methane	39		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.29		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.25		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	21.0		4.0	0.70	mg/L	2		300.0	Total/NA
Total Organic Carbon	0.88	J	1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: MW-9D-2

Lab Sample ID: 480-232200-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	5.7		1.6	0.61	ug/L	1		8260C SIM	Total/NA
1,2-Dichloroethane	41		0.50	0.087	ug/L	1		8260D	Total/NA
Benzene	0.89		0.50	0.070	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.9		0.50	0.48	ug/L	1		8260D	Total/NA
Trichloroethene	0.82		0.50	0.074	ug/L	1		8260D	Total/NA
Methane	14		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.74		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.67		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	28.6		4.0	0.70	mg/L	2		300.0	Total/NA
Total Organic Carbon	0.47	J	1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: MW-9D-3

Lab Sample ID: 480-232200-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	46		0.50	0.087	ug/L	1		8260D	Total/NA
Benzene	0.49	J	0.50	0.070	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.0		0.50	0.48	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.28	J	0.50	0.28	ug/L	1		8260D	Total/NA
Trichloroethene	3.2		0.50	0.074	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Client Sample ID: MW-9D-3 (Continued)

Lab Sample ID: 480-232200-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methane	2.2	J	4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	1.1		0.050	0.019	mg/L	1		6010D	Total/NA
Iron, Dissolved	0.86		0.050	0.019	mg/L	1		6010D	Dissolved
Sulfate	25.1		4.0	0.70	mg/L	2		300.0	Total/NA
Total Organic Carbon	0.47	J	1.0	0.43	mg/L	1		9060A	Total/NA

Client Sample ID: EB-01

Lab Sample ID: 480-232200-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.51		0.50	0.33	ug/L	1		8260D	Total/NA

Client Sample ID: FB-01

Lab Sample ID: 480-232200-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.51		0.50	0.33	ug/L	1		8260D	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-232200-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.42	J	0.50	0.33	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-10D-1

Lab Sample ID: 480-232200-1

Date Collected: 08/26/25 10:55

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	121		50 - 150					09/02/25 14:50	1
TBA-d9 (Surr)	119		50 - 150					09/02/25 14:50	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 12:39	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 12:39	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 12:39	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 12:39	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 12:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 12:39	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 12:39	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 12:39	1
1,2-Dichloroethane	17		0.50	0.087	ug/L			09/09/25 12:39	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 12:39	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 12:39	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 12:39	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 12:39	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 12:39	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 12:39	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 12:39	1
Benzene	0.13 J		0.50	0.070	ug/L			09/09/25 12:39	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 12:39	1
Carbon tetrachloride	ND	++	0.50	0.21	ug/L			09/09/25 12:39	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 12:39	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 12:39	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 12:39	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 12:39	1
cis-1,2-Dichloroethene	0.82		0.50	0.48	ug/L			09/09/25 12:39	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 12:39	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 12:39	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 12:39	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 12:39	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 12:39	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 12:39	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 12:39	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 12:39	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 12:39	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 12:39	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 12:39	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 12:39	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 12:39	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 12:39	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 12:39	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-10D-1

Lab Sample ID: 480-232200-1

Date Collected: 08/26/25 10:55

Matrix: Water

Date Received: 08/29/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 128		09/09/25 12:39	1
Dibromofluoromethane (Surr)	110		77 - 132		09/09/25 12:39	1
Toluene-d8 (Surr)	99		80 - 120		09/09/25 12:39	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 12:39	1

Method: RSK-175 - Dissolved Gases (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	240		4.0	1.0	ug/L			09/03/25 11:39	1

Method: SW846 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.13		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:08	1

Method: SW846 6010D - Metals (ICP) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.20		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 16:59	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	16.8		4.0	0.70	mg/L			09/03/25 23:11	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 18:53	1
Total Organic Carbon (SW846 9060A)	0.64 J		1.0	0.43	mg/L			09/03/25 16:53	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-10D-2

Lab Sample ID: 480-232200-2

Date Collected: 08/26/25 12:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	117		50 - 150		09/02/25 15:12	1
TBA-d9 (Surr)	116		50 - 150		09/02/25 15:12	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 13:03	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 13:03	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 13:03	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 13:03	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 13:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 13:03	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 13:03	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 13:03	1
1,2-Dichloroethane	23		0.50	0.087	ug/L			09/09/25 13:03	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 13:03	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 13:03	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 13:03	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 13:03	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-10D-2

Lab Sample ID: 480-232200-2

Date Collected: 08/26/25 12:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 13:03	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 13:03	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 13:03	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 13:03	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 13:03	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 13:03	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 13:03	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 13:03	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 13:03	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 13:03	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 13:03	1
cis-1,2-Dichloroethene	0.54		0.50	0.48	ug/L			09/09/25 13:03	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 13:03	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 13:03	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 13:03	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 13:03	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 13:03	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 13:03	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 13:03	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 13:03	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 13:03	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 13:03	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 13:03	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 13:03	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 13:03	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 13:03	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 13:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128		09/09/25 13:03	1
Dibromofluoromethane (Surr)	109		77 - 132		09/09/25 13:03	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 13:03	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 13:03	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1.2	J	4.0	1.0	ug/L			09/03/25 11:58	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.058		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:24	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.050		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	24.6		4.0	0.70	mg/L			09/04/25 00:39	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 18:55	1
Total Organic Carbon (SW846 9060A)	ND		1.0	0.43	mg/L			09/03/25 17:48	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-10D-2

Lab Sample ID: 480-232200-2

Date Collected: 08/26/25 12:00

Matrix: Water

Date Received: 08/29/25 10:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide (SM 4500 S2 F)	ND	F1	1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-10D-3

Lab Sample ID: 480-232200-3

Date Collected: 08/26/25 13:10

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		50 - 150					09/02/25 15:35	1
TBA-d9 (Surr)	109		50 - 150					09/02/25 15:35	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 13:26	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 13:26	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 13:26	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 13:26	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 13:26	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 13:26	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 13:26	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 13:26	1
1,2-Dichloroethane	0.54		0.50	0.087	ug/L			09/09/25 13:26	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 13:26	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 13:26	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 13:26	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 13:26	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 13:26	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 13:26	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 13:26	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 13:26	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 13:26	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 13:26	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 13:26	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 13:26	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 13:26	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 13:26	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 13:26	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 13:26	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 13:26	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 13:26	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 13:26	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 13:26	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 13:26	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 13:26	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 13:26	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 13:26	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 13:26	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-10D-3

Lab Sample ID: 480-232200-3

Date Collected: 08/26/25 13:10

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.38	ug/L			09/09/25 13:26	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 13:26	1
Trichloroethene	0.56		0.50	0.074	ug/L			09/09/25 13:26	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 13:26	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 13:26	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 128		09/09/25 13:26	1
Dibromofluoromethane (Surr)	110		77 - 132		09/09/25 13:26	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 13:26	1
4-Bromofluorobenzene	96		76 - 120		09/09/25 13:26	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			09/03/25 12:17	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.8		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:26	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.30		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	14.9		4.0	0.70	mg/L			09/04/25 00:53	2
Nitrate Nitrite as N (EPA 353.2)	0.042	J	0.050	0.020	mg/L			09/05/25 18:57	1
Total Organic Carbon (SW846 9060A)	0.50	J	1.0	0.43	mg/L			09/03/25 20:06	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-7D-S

Lab Sample ID: 480-232200-4

Date Collected: 08/27/25 12:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.4	J	1.6	0.61	ug/L			09/02/25 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	123		50 - 150		09/02/25 15:58	1
TBA-d9 (Surr)	121		50 - 150		09/02/25 15:58	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 13:49	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 13:49	1
1,1-Dichloroethane	0.29	J	0.50	0.26	ug/L			09/09/25 13:49	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 13:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 13:49	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-7D-S

Lab Sample ID: 480-232200-4

Date Collected: 08/27/25 12:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 13:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 13:49	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 13:49	1
1,2-Dichloroethane	55		0.50	0.087	ug/L			09/09/25 13:49	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 13:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 13:49	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 13:49	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 13:49	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 13:49	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 13:49	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 13:49	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 13:49	1
Benzene	0.63		0.50	0.070	ug/L			09/09/25 13:49	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 13:49	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 13:49	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 13:49	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 13:49	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 13:49	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 13:49	1
cis-1,2-Dichloroethene	8.0		0.50	0.48	ug/L			09/09/25 13:49	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 13:49	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 13:49	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 13:49	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 13:49	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 13:49	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 13:49	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 13:49	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 13:49	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 13:49	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 13:49	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 13:49	1
Trichloroethene	1.9		0.50	0.074	ug/L			09/09/25 13:49	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 13:49	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 13:49	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 128					09/09/25 13:49	1
Dibromofluoromethane (Surr)	111		77 - 132					09/09/25 13:49	1
Toluene-d8 (Surr)	99		80 - 120					09/09/25 13:49	1
4-Bromofluorobenzene	95		76 - 120					09/09/25 13:49	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1.4	J	4.0	1.0	ug/L			09/03/25 12:35	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.45		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:27	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-7D-S

Lab Sample ID: 480-232200-4

Date Collected: 08/27/25 12:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.26		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	28.0		4.0	0.70	mg/L			09/04/25 01:08	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 18:58	1
Total Organic Carbon (SW846 9060A)	0.51	J	1.0	0.43	mg/L			09/03/25 23:20	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-7D-D

Lab Sample ID: 480-232200-5

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	3.7		1.6	0.61	ug/L			09/02/25 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	127		50 - 150					09/02/25 16:21	1
TBA-d9 (Surr)	121		50 - 150					09/02/25 16:21	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 14:13	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 14:13	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 14:13	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 14:13	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 14:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 14:13	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 14:13	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 14:13	1
1,2-Dichloroethane	25		0.50	0.087	ug/L			09/09/25 14:13	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 14:13	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 14:13	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 14:13	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 14:13	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 14:13	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 14:13	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 14:13	1
Benzene	0.35	J	0.50	0.070	ug/L			09/09/25 14:13	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 14:13	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 14:13	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 14:13	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 14:13	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 14:13	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 14:13	1
cis-1,2-Dichloroethene	2.5		0.50	0.48	ug/L			09/09/25 14:13	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 14:13	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 14:13	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-7D-D

Lab Sample ID: 480-232200-5

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 14:13	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 14:13	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 14:13	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 14:13	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 14:13	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 14:13	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 14:13	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 14:13	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 14:13	1
Trichloroethene	0.60		0.50	0.074	ug/L			09/09/25 14:13	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 14:13	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 14:13	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128		09/09/25 14:13	1
Dibromofluoromethane (Surr)	110		77 - 132		09/09/25 14:13	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 14:13	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 14:13	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	56		4.0	1.0	ug/L			09/03/25 12:54	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.22		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:29	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.23		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	26.5		4.0	0.70	mg/L			09/04/25 01:22	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 19:04	1
Total Organic Carbon (SW846 9060A)	ND		1.0	0.43	mg/L			09/03/25 23:47	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-7D-D DUP

Lab Sample ID: 480-232200-6

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	4.0		1.6	0.61	ug/L			09/02/25 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	124		50 - 150		09/02/25 16:44	1
TBA-d9 (Surr)	117		50 - 150		09/02/25 16:44	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-7D-D DUP

Lab Sample ID: 480-232200-6

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 14:36	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 14:36	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 14:36	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 14:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 14:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 14:36	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 14:36	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 14:36	1
1,2-Dichloroethane	26		0.50	0.087	ug/L			09/09/25 14:36	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 14:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 14:36	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 14:36	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 14:36	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 14:36	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 14:36	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 14:36	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 14:36	1
Benzene	0.38	J	0.50	0.070	ug/L			09/09/25 14:36	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 14:36	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 14:36	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 14:36	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 14:36	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 14:36	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 14:36	1
cis-1,2-Dichloroethene	2.4		0.50	0.48	ug/L			09/09/25 14:36	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 14:36	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 14:36	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 14:36	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 14:36	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 14:36	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 14:36	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 14:36	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 14:36	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 14:36	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 14:36	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 14:36	1
Trichloroethene	0.55		0.50	0.074	ug/L			09/09/25 14:36	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 14:36	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 14:36	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128		09/09/25 14:36	1
Dibromofluoromethane (Surr)	110		77 - 132		09/09/25 14:36	1
Toluene-d8 (Surr)	99		80 - 120		09/09/25 14:36	1
4-Bromofluorobenzene	96		76 - 120		09/09/25 14:36	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	69		4.0	1.0	ug/L			09/03/25 13:13	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-7D-D DUP

Lab Sample ID: 480-232200-6

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.23		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:31	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.22		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	25.8		4.0	0.70	mg/L			09/04/25 01:37	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 19:08	1
Total Organic Carbon (SW846 9060A)	ND		1.0	0.43	mg/L			09/04/25 00:15	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-9D-1

Lab Sample ID: 480-232200-7

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	8.0		1.6	0.61	ug/L			09/02/25 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	127		50 - 150		09/02/25 17:07	1
TBA-d9 (Surr)	116		50 - 150		09/02/25 17:07	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 14:59	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 14:59	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 14:59	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 14:59	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 14:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 14:59	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 14:59	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 14:59	1
1,2-Dichloroethane	45		0.50	0.087	ug/L			09/09/25 14:59	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 14:59	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 14:59	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 14:59	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 14:59	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 14:59	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 14:59	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 14:59	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 14:59	1
Benzene	2.9		0.50	0.070	ug/L			09/09/25 14:59	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 14:59	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 14:59	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 14:59	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 14:59	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 14:59	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 14:59	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-9D-1

Lab Sample ID: 480-232200-7

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	4.7		0.50	0.48	ug/L			09/09/25 14:59	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 14:59	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 14:59	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 14:59	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 14:59	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 14:59	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 14:59	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 14:59	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 14:59	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 14:59	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 14:59	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 14:59	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 14:59	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 14:59	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 14:59	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 128		09/09/25 14:59	1
Dibromofluoromethane (Surr)	109		77 - 132		09/09/25 14:59	1
Toluene-d8 (Surr)	99		80 - 120		09/09/25 14:59	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 14:59	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	39		4.0	1.0	ug/L			09/03/25 13:32	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.29		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:33	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.25		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	21.0		4.0	0.70	mg/L			09/04/25 01:52	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 19:10	1
Total Organic Carbon (SW846 9060A)	0.88 J		1.0	0.43	mg/L			09/04/25 00:43	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-9D-2

Lab Sample ID: 480-232200-8

Date Collected: 08/27/25 12:10

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	5.7		1.6	0.61	ug/L			09/02/25 17:30	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-9D-2

Lab Sample ID: 480-232200-8

Date Collected: 08/27/25 12:10

Matrix: Water

Date Received: 08/29/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	126		50 - 150		09/02/25 17:30	1
TBA-d9 (Surr)	117		50 - 150		09/02/25 17:30	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 15:23	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 15:23	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 15:23	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 15:23	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 15:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 15:23	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 15:23	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 15:23	1
1,2-Dichloroethane	41		0.50	0.087	ug/L			09/09/25 15:23	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 15:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 15:23	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 15:23	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 15:23	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 15:23	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 15:23	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 15:23	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 15:23	1
Benzene	0.89		0.50	0.070	ug/L			09/09/25 15:23	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 15:23	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 15:23	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 15:23	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 15:23	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 15:23	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 15:23	1
cis-1,2-Dichloroethene	4.9		0.50	0.48	ug/L			09/09/25 15:23	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 15:23	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 15:23	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 15:23	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 15:23	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 15:23	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 15:23	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 15:23	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 15:23	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 15:23	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 15:23	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 15:23	1
Trichloroethene	0.82		0.50	0.074	ug/L			09/09/25 15:23	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 15:23	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 15:23	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128		09/09/25 15:23	1
Dibromofluoromethane (Surr)	110		77 - 132		09/09/25 15:23	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 15:23	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-9D-2

Lab Sample ID: 480-232200-8

Date Collected: 08/27/25 12:10

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		76 - 120		09/09/25 15:23	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	14		4.0	1.0	ug/L			09/03/25 13:51	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.74		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:35	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.67		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	28.6		4.0	0.70	mg/L			09/04/25 02:06	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 19:12	1
Total Organic Carbon (SW846 9060A)	0.47 J		1.0	0.43	mg/L			09/04/25 01:10	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Client Sample ID: MW-9D-3

Lab Sample ID: 480-232200-9

Date Collected: 08/27/25 13:15

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	130		50 - 150		09/02/25 17:53	1
TBA-d9 (Surr)	110		50 - 150		09/02/25 17:53	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 15:46	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 15:46	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 15:46	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 15:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 15:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 15:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 15:46	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 15:46	1
1,2-Dichloroethane	46		0.50	0.087	ug/L			09/09/25 15:46	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 15:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 15:46	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 15:46	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 15:46	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 15:46	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 15:46	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-9D-3

Lab Sample ID: 480-232200-9

Date Collected: 08/27/25 13:15

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 15:46	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 15:46	1
Benzene	0.49	J	0.50	0.070	ug/L			09/09/25 15:46	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 15:46	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 15:46	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 15:46	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 15:46	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 15:46	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 15:46	1
cis-1,2-Dichloroethene	4.0		0.50	0.48	ug/L			09/09/25 15:46	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 15:46	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 15:46	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 15:46	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 15:46	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 15:46	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 15:46	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 15:46	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 15:46	1
Tetrachloroethene	0.28	J	0.50	0.28	ug/L			09/09/25 15:46	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 15:46	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 15:46	1
Trichloroethene	3.2		0.50	0.074	ug/L			09/09/25 15:46	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 15:46	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 15:46	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 128		09/09/25 15:46	1
Dibromofluoromethane (Surr)	110		77 - 132		09/09/25 15:46	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 15:46	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 15:46	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	2.2	J	4.0	1.0	ug/L			09/03/25 14:10	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.1		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:39	1

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	0.86		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate (EPA 300.0)	25.1		4.0	0.70	mg/L			09/04/25 02:21	2
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			09/05/25 19:14	1
Total Organic Carbon (SW846 9060A)	0.47	J	1.0	0.43	mg/L			09/04/25 01:38	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/30/25 13:13	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: EB-01

Lab Sample ID: 480-232200-10

Date Collected: 08/27/25 14:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 18:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	126		50 - 150					09/02/25 18:16	1
TBA-d9 (Surr)	117		50 - 150					09/02/25 18:16	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 09:56	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 09:56	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 09:56	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 09:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 09:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 09:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 09:56	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 09:56	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 09:56	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 09:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 09:56	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 09:56	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 09:56	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 09:56	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 09:56	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 09:56	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 09:56	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 09:56	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 09:56	1
Carbon tetrachloride	ND	+	0.50	0.21	ug/L			09/09/25 09:56	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 09:56	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 09:56	1
Chloroform	0.51		0.50	0.33	ug/L			09/09/25 09:56	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 09:56	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 09:56	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 09:56	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 09:56	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 09:56	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 09:56	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 09:56	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 09:56	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 09:56	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 09:56	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 09:56	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 09:56	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 09:56	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 09:56	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 09:56	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 09:56	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 09:56	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: EB-01

Lab Sample ID: 480-232200-10

Date Collected: 08/27/25 14:00

Matrix: Water

Date Received: 08/29/25 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 128		09/09/25 09:56	1
Dibromofluoromethane (Surr)	108		77 - 132		09/09/25 09:56	1
Toluene-d8 (Surr)	99		80 - 120		09/09/25 09:56	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 09:56	1

Client Sample ID: FB-01

Lab Sample ID: 480-232200-11

Date Collected: 08/28/25 09:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	128		50 - 150					09/02/25 18:39	1
TBA-d9 (Surr)	117		50 - 150					09/02/25 18:39	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 10:20	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 10:20	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 10:20	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 10:20	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 10:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 10:20	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 10:20	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 10:20	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 10:20	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 10:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 10:20	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 10:20	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 10:20	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 10:20	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 10:20	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 10:20	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 10:20	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 10:20	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 10:20	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 10:20	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 10:20	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 10:20	1
Chloroform	0.51		0.50	0.33	ug/L			09/09/25 10:20	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 10:20	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 10:20	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 10:20	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 10:20	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 10:20	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 10:20	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 10:20	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 10:20	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 10:20	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: FB-01

Lab Sample ID: 480-232200-11

Date Collected: 08/28/25 09:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.42	ug/L			09/09/25 10:20	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 10:20	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 10:20	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 10:20	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 10:20	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 10:20	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 10:20	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128					09/09/25 10:20	1
Dibromofluoromethane (Surr)	109		77 - 132					09/09/25 10:20	1
Toluene-d8 (Surr)	98		80 - 120					09/09/25 10:20	1
4-Bromofluorobenzene	96		76 - 120					09/09/25 10:20	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-232200-12

Date Collected: 08/26/25 00:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260C SIM - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 19:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	126		50 - 150					09/02/25 19:02	1
TBA-d9 (Surr)	113		50 - 150					09/02/25 19:02	1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 09:33	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 09:33	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 09:33	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 09:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 09:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 09:33	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 09:33	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 09:33	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 09:33	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 09:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 09:33	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 09:33	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 09:33	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 09:33	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 09:33	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 09:33	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 09:33	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 09:33	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 09:33	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 09:33	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 09:33	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 09:33	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-232200-12

Date Collected: 08/26/25 00:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.42	J	0.50	0.33	ug/L			09/09/25 09:33	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 09:33	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 09:33	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 09:33	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 09:33	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 09:33	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 09:33	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 09:33	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 09:33	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 09:33	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 09:33	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 09:33	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 09:33	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 09:33	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 09:33	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 09:33	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 09:33	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 09:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128					09/09/25 09:33	1
Dibromofluoromethane (Surr)	109		77 - 132					09/09/25 09:33	1
Toluene-d8 (Surr)	99		80 - 120					09/09/25 09:33	1
4-Bromofluorobenzene	95		76 - 120					09/09/25 09:33	1

Surrogate Summary

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DBFM	TBA		
		(50-150)	(50-150)		
480-232200-1	MW-10D-1	121	119		
480-232200-2	MW-10D-2	117	116		
480-232200-3	MW-10D-3	120	109		
480-232200-4	MW-7D-S	123	121		
480-232200-5	MW-7D-D	127	121		
480-232200-5 MS	MW-7D-D	125	115		
480-232200-5 MSD	MW-7D-D	128	122		
480-232200-6	MW-7D-D DUP	124	117		
480-232200-7	MW-9D-1	127	116		
480-232200-8	MW-9D-2	126	117		
480-232200-9	MW-9D-3	130	110		
480-232200-10	EB-01	126	117		
480-232200-11	FB-01	128	117		
480-232200-12	TRIP BLANK	126	113		
LCS 480-755787/7	Lab Control Sample	123	119		
MB 480-755787/9	Method Blank	120	112		
Surrogate Legend					
DBFM = Dibromofluoromethane (Surr)					
TBA = TBA-d9 (Surr)					

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA	DBFM	TOL	BFB
		(70-128)	(77-132)	(80-120)	(76-120)
480-232200-1	MW-10D-1	108	110	99	95
480-232200-2	MW-10D-2	109	109	98	95
480-232200-3	MW-10D-3	111	110	98	96
480-232200-4	MW-7D-S	107	111	99	95
480-232200-5	MW-7D-D	109	110	98	95
480-232200-5 MS	MW-7D-D	109	110	99	99
480-232200-5 MSD	MW-7D-D	107	109	98	100
480-232200-6	MW-7D-D DUP	109	110	99	96
480-232200-7	MW-9D-1	110	109	99	95
480-232200-8	MW-9D-2	109	110	98	96
480-232200-9	MW-9D-3	110	110	98	95
480-232200-10	EB-01	108	108	99	95
480-232200-11	FB-01	109	109	98	96
480-232200-12	TRIP BLANK	109	109	99	95
LCS 460-1060114/3	Lab Control Sample	107	108	96	100
LCSD 460-1060114/4	Lab Control Sample Dup	103	105	97	100
MB 460-1060114/7	Method Blank	107	108	98	96
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					
BFB = 4-Bromofluorobenzene					

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QC Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

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

Lab Sample ID: MB 480-755787/9

Matrix: Water

Analysis Batch: 755787

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.6	0.61	ug/L			09/02/25 14:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	120		50 - 150					09/02/25 14:26	1
TBA-d9 (Surr)	112		50 - 150					09/02/25 14:26	1

Lab Sample ID: LCS 480-755787/7

Matrix: Water

Analysis Batch: 755787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	16.0	17.1		ug/L		107	50 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Dibromofluoromethane (Surr)	123		50 - 150				
TBA-d9 (Surr)	119		50 - 150				

Lab Sample ID: 480-232200-5 MS

Matrix: Water

Analysis Batch: 755787

Client Sample ID: MW-7D-D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	3.7		16.0	19.8		ug/L		100	50 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
Dibromofluoromethane (Surr)	125		50 - 150						
TBA-d9 (Surr)	115		50 - 150						

Lab Sample ID: 480-232200-5 MSD

Matrix: Water

Analysis Batch: 755787

Client Sample ID: MW-7D-D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	3.7		16.0	22.3		ug/L		116	50 - 150	12	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Dibromofluoromethane (Surr)	128		50 - 150								
TBA-d9 (Surr)	122		50 - 150								

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

Lab Sample ID: MB 460-1060114/7

Matrix: Water

Analysis Batch: 1060114

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 08:46	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 08:46	1

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QC Sample Results

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Lab Sample ID: MB 460-1060114/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 1060114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 08:46	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 08:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 08:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 08:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 08:46	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 08:46	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 08:46	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 08:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 08:46	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 08:46	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 08:46	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 08:46	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 08:46	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 08:46	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 08:46	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 08:46	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 08:46	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			09/09/25 08:46	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 08:46	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 08:46	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 08:46	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 08:46	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 08:46	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 08:46	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 08:46	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 08:46	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 08:46	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 08:46	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 08:46	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 08:46	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 08:46	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 08:46	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 08:46	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 08:46	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 08:46	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 08:46	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 08:46	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 08:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 128		09/09/25 08:46	1
Dibromofluoromethane (Surr)	108		77 - 132		09/09/25 08:46	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 08:46	1
4-Bromofluorobenzene	96		76 - 120		09/09/25 08:46	1

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QC Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

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

Lab Sample ID: LCS 460-1060114/3

Matrix: Water

Analysis Batch: 1060114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	25.1		ug/L		126	72 - 128
1,1,2-Trichloroethane	20.0	22.0		ug/L		110	74 - 125
1,1-Dichloroethane	20.0	23.3		ug/L		117	73 - 130
1,1-Dichloroethene	20.0	24.6		ug/L		123	68 - 133
1,2,3-Trichlorobenzene	20.0	22.6		ug/L		113	55 - 150
1,2,4-Trichlorobenzene	20.0	22.9		ug/L		114	67 - 132
1,2,4-Trimethylbenzene	20.0	24.0		ug/L		120	75 - 125
1,2-Dichlorobenzene	20.0	22.6		ug/L		113	80 - 120
1,2-Dichloroethane	20.0	22.6		ug/L		113	66 - 129
1,2-Dichloropropane	20.0	21.9		ug/L		110	72 - 128
1,3,5-Trimethylbenzene	20.0	24.1		ug/L		121	75 - 125
1,3-Dichlorobenzene	20.0	23.4		ug/L		117	80 - 120
1,4-Dichlorobenzene	20.0	22.8		ug/L		114	80 - 120
2-Butanone (MEK)	100	103		ug/L		103	65 - 142
2-Hexanone	100	96.6		ug/L		97	72 - 134
4-Methyl-2-pentanone (MIBK)	100	95.1		ug/L		95	77 - 130
Acetone	100	83.8		ug/L		84	60 - 133
Benzene	20.0	21.5		ug/L		107	71 - 126
Carbon disulfide	20.0	24.5		ug/L		122	35 - 150
Carbon tetrachloride	20.0	26.7	*+	ug/L		134	65 - 131
Chlorobenzene	20.0	22.7		ug/L		113	80 - 120
Chloroethane	20.0	20.2		ug/L		101	54 - 150
Chloroform	20.0	23.4		ug/L		117	78 - 125
Chloromethane	20.0	15.7		ug/L		78	43 - 149
cis-1,2-Dichloroethene	20.0	23.4		ug/L		117	78 - 121
Dichlorodifluoromethane	20.0	19.3		ug/L		97	38 - 144
Ethylbenzene	20.0	23.4		ug/L		117	78 - 120
Methylene Chloride	20.0	23.6		ug/L		118	74 - 127
m-Xylene & p-Xylene	20.0	22.9		ug/L		114	78 - 120
Naphthalene	20.0	23.3		ug/L		117	57 - 146
N-Propylbenzene	20.0	24.3		ug/L		121	68 - 129
o-Xylene	20.0	23.2		ug/L		116	78 - 120
Styrene	20.0	23.7		ug/L		119	82 - 127
Tetrachloroethene	20.0	21.9		ug/L		109	70 - 127
Toluene	20.0	21.1		ug/L		106	78 - 120
trans-1,2-Dichloroethene	20.0	23.6		ug/L		118	70 - 126
Trichloroethene	20.0	23.2		ug/L		116	73 - 121
Trichlorofluoromethane	20.0	23.1		ug/L		115	62 - 134
Vinyl chloride	20.0	20.6		ug/L		103	55 - 144
Xylenes, Total	40.0	46.1		ug/L		115	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 128
Dibromofluoromethane (Surr)	108		77 - 132
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene	100		76 - 120

QC Sample Results

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Lab Sample ID: LCSD 460-1060114/4

Matrix: Water

Analysis Batch: 1060114

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	23.9		ug/L		119	72 - 128	5	30
1,1,2-Trichloroethane	20.0	22.1		ug/L		111	74 - 125	1	30
1,1-Dichloroethane	20.0	22.3		ug/L		111	73 - 130	5	30
1,1-Dichloroethene	20.0	23.4		ug/L		117	68 - 133	5	30
1,2,3-Trichlorobenzene	20.0	22.7		ug/L		114	55 - 150	0	30
1,2,4-Trichlorobenzene	20.0	23.2		ug/L		116	67 - 132	1	30
1,2,4-Trimethylbenzene	20.0	23.6		ug/L		118	75 - 125	2	30
1,2-Dichlorobenzene	20.0	22.5		ug/L		112	80 - 120	0	30
1,2-Dichloroethane	20.0	21.9		ug/L		110	66 - 129	3	30
1,2-Dichloropropane	20.0	21.0		ug/L		105	72 - 128	4	30
1,3,5-Trimethylbenzene	20.0	23.9		ug/L		119	75 - 125	1	30
1,3-Dichlorobenzene	20.0	23.0		ug/L		115	80 - 120	1	30
1,4-Dichlorobenzene	20.0	22.7		ug/L		113	80 - 120	1	30
2-Butanone (MEK)	100	102		ug/L		102	65 - 142	1	30
2-Hexanone	100	98.4		ug/L		98	72 - 134	2	30
4-Methyl-2-pentanone (MIBK)	100	95.3		ug/L		95	77 - 130	0	30
Acetone	100	83.4		ug/L		83	60 - 133	1	30
Benzene	20.0	21.2		ug/L		106	71 - 126	1	30
Carbon disulfide	20.0	23.1		ug/L		116	35 - 150	6	30
Carbon tetrachloride	20.0	25.1		ug/L		126	65 - 131	6	30
Chlorobenzene	20.0	22.2		ug/L		111	80 - 120	2	30
Chloroethane	20.0	18.2		ug/L		91	54 - 150	10	30
Chloroform	20.0	22.4		ug/L		112	78 - 125	4	30
Chloromethane	20.0	15.3		ug/L		76	43 - 149	2	30
cis-1,2-Dichloroethene	20.0	22.5		ug/L		112	78 - 121	4	30
Dichlorodifluoromethane	20.0	18.4		ug/L		92	38 - 144	5	30
Ethylbenzene	20.0	22.8		ug/L		114	78 - 120	3	30
Methylene Chloride	20.0	22.9		ug/L		114	74 - 127	3	30
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 120	4	30
Naphthalene	20.0	23.8		ug/L		119	57 - 146	2	30
N-Propylbenzene	20.0	23.9		ug/L		120	68 - 129	1	30
o-Xylene	20.0	22.6		ug/L		113	78 - 120	3	30
Styrene	20.0	23.1		ug/L		116	82 - 127	3	30
Tetrachloroethene	20.0	22.2		ug/L		111	70 - 127	1	30
Toluene	20.0	20.8		ug/L		104	78 - 120	1	30
trans-1,2-Dichloroethene	20.0	22.5		ug/L		113	70 - 126	5	30
Trichloroethene	20.0	22.5		ug/L		112	73 - 121	3	30
Trichlorofluoromethane	20.0	21.8		ug/L		109	62 - 134	6	30
Vinyl chloride	20.0	19.6		ug/L		98	55 - 144	5	30
Xylenes, Total	40.0	44.7		ug/L		112	80 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 128
Dibromofluoromethane (Surr)	105		77 - 132
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene	100		76 - 120

QC Sample Results

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Lab Sample ID: 480-232200-5 MS

Client Sample ID: MW-7D-D

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 1060114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		20.0	24.3		ug/L		122	72 - 128
1,1,2-Trichloroethane	ND		20.0	21.3		ug/L		107	74 - 125
1,1-Dichloroethane	ND		20.0	23.1		ug/L		115	73 - 130
1,1-Dichloroethene	ND		20.0	23.3		ug/L		117	68 - 133
1,2,3-Trichlorobenzene	ND		20.0	18.3		ug/L		91	55 - 150
1,2,4-Trichlorobenzene	ND		20.0	19.8		ug/L		99	67 - 132
1,2,4-Trimethylbenzene	ND		20.0	22.9		ug/L		114	75 - 125
1,2-Dichlorobenzene	ND		20.0	21.1		ug/L		105	80 - 120
1,2-Dichloroethane	25		20.0	46.3		ug/L		105	66 - 129
1,2-Dichloropropane	ND		20.0	21.4		ug/L		107	72 - 128
1,3,5-Trimethylbenzene	ND		20.0	22.9		ug/L		115	75 - 125
1,3-Dichlorobenzene	ND		20.0	21.7		ug/L		109	80 - 120
1,4-Dichlorobenzene	ND		20.0	21.4		ug/L		107	80 - 120
2-Butanone (MEK)	ND		100	116		ug/L		116	65 - 142
2-Hexanone	ND		100	105		ug/L		105	72 - 134
4-Methyl-2-pentanone (MIBK)	ND		100	109		ug/L		109	77 - 130
Acetone	ND		100	94.5		ug/L		94	60 - 133
Benzene	0.35	J	20.0	21.4		ug/L		105	71 - 126
Carbon disulfide	ND		20.0	22.2		ug/L		111	35 - 150
Carbon tetrachloride	ND	*+	20.0	25.3		ug/L		126	65 - 131
Chlorobenzene	ND		20.0	22.1		ug/L		111	80 - 120
Chloroethane	ND		20.0	18.1		ug/L		90	54 - 150
Chloroform	ND		20.0	23.3		ug/L		116	78 - 125
Chloromethane	ND		20.0	13.2		ug/L		66	43 - 149
cis-1,2-Dichloroethene	2.5		20.0	24.7		ug/L		111	78 - 121
Dichlorodifluoromethane	ND		20.0	20.2		ug/L		101	38 - 144
Ethylbenzene	ND		20.0	22.4		ug/L		112	78 - 120
Methylene Chloride	ND		20.0	23.2		ug/L		116	74 - 127
m-Xylene & p-Xylene	ND		20.0	21.7		ug/L		109	78 - 120
Naphthalene	ND		20.0	18.6		ug/L		93	57 - 146
N-Propylbenzene	ND		20.0	23.1		ug/L		115	68 - 129
o-Xylene	ND		20.0	22.2		ug/L		111	78 - 120
Styrene	ND		20.0	22.7		ug/L		114	82 - 127
Tetrachloroethene	ND		20.0	21.6		ug/L		108	70 - 127
Toluene	ND		20.0	20.8		ug/L		104	78 - 120
trans-1,2-Dichloroethene	ND		20.0	22.9		ug/L		115	70 - 126
Trichloroethene	0.60		20.0	22.7		ug/L		110	73 - 121
Trichlorofluoromethane	ND		20.0	23.8		ug/L		119	62 - 134
Vinyl chloride	ND		20.0	18.9		ug/L		95	55 - 144
Xylenes, Total	ND		40.0	43.9		ug/L		110	80 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	109		70 - 128						
Dibromofluoromethane (Surr)	110		77 - 132						
Toluene-d8 (Surr)	99		80 - 120						
4-Bromofluorobenzene	99		76 - 120						

QC Sample Results

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Lab Sample ID: 480-232200-5 MSD

Client Sample ID: MW-7D-D

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 1060114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	25.6		ug/L		128	72 - 128	5	30
1,1,2-Trichloroethane	ND		20.0	22.0		ug/L		110	74 - 125	3	30
1,1-Dichloroethane	ND		20.0	23.8		ug/L		119	73 - 130	3	30
1,1-Dichloroethene	ND		20.0	24.4		ug/L		122	68 - 133	4	30
1,2,3-Trichlorobenzene	ND		20.0	22.0		ug/L		110	55 - 150	18	30
1,2,4-Trichlorobenzene	ND		20.0	22.5		ug/L		112	67 - 132	13	30
1,2,4-Trimethylbenzene	ND		20.0	24.0		ug/L		120	75 - 125	5	30
1,2-Dichlorobenzene	ND		20.0	22.6		ug/L		113	80 - 120	7	30
1,2-Dichloroethane	25		20.0	46.1		ug/L		104	66 - 129	0	30
1,2-Dichloropropane	ND		20.0	22.2		ug/L		111	72 - 128	4	30
1,3,5-Trimethylbenzene	ND		20.0	24.5		ug/L		122	75 - 125	6	30
1,3-Dichlorobenzene	ND		20.0	23.1		ug/L		116	80 - 120	6	30
1,4-Dichlorobenzene	ND		20.0	22.9		ug/L		115	80 - 120	7	30
2-Butanone (MEK)	ND		100	122		ug/L		122	65 - 142	5	30
2-Hexanone	ND		100	111		ug/L		111	72 - 134	6	30
4-Methyl-2-pentanone (MIBK)	ND		100	109		ug/L		109	77 - 130	0	30
Acetone	ND		100	95.9		ug/L		96	60 - 133	2	30
Benzene	0.35	J	20.0	22.2		ug/L		109	71 - 126	4	30
Carbon disulfide	ND		20.0	23.3		ug/L		117	35 - 150	5	30
Carbon tetrachloride	ND	*+	20.0	26.2		ug/L		131	65 - 131	4	30
Chlorobenzene	ND		20.0	23.1		ug/L		115	80 - 120	4	30
Chloroethane	ND		20.0	18.1		ug/L		91	54 - 150	0	30
Chloroform	ND		20.0	24.2		ug/L		121	78 - 125	4	30
Chloromethane	ND		20.0	15.0		ug/L		75	43 - 149	13	30
cis-1,2-Dichloroethene	2.5		20.0	25.8		ug/L		117	78 - 121	4	30
Dichlorodifluoromethane	ND		20.0	20.6		ug/L		103	38 - 144	2	30
Ethylbenzene	ND		20.0	23.8		ug/L		119	78 - 120	6	30
Methylene Chloride	ND		20.0	23.8		ug/L		119	74 - 127	2	30
m-Xylene & p-Xylene	ND		20.0	23.0		ug/L		115	78 - 120	6	30
Naphthalene	ND		20.0	22.1		ug/L		110	57 - 146	17	30
N-Propylbenzene	ND		20.0	24.4		ug/L		122	68 - 129	6	30
o-Xylene	ND		20.0	23.4		ug/L		117	78 - 120	5	30
Styrene	ND		20.0	23.7		ug/L		118	82 - 127	4	30
Tetrachloroethene	ND		20.0	23.0		ug/L		115	70 - 127	6	30
Toluene	ND		20.0	21.6		ug/L		108	78 - 120	4	30
trans-1,2-Dichloroethene	ND		20.0	24.0		ug/L		120	70 - 126	5	30
Trichloroethene	0.60		20.0	24.4		ug/L		119	73 - 121	7	30
Trichlorofluoromethane	ND		20.0	24.5		ug/L		123	62 - 134	3	30
Vinyl chloride	ND		20.0	20.2		ug/L		101	55 - 144	7	30
Xylenes, Total	ND		40.0	46.3		ug/L		116	80 - 120	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 128
Dibromofluoromethane (Surr)	109		77 - 132
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene	100		76 - 120

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QC Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 480-755859/2

Matrix: Water

Analysis Batch: 755859

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	ND		4.0	1.0	ug/L			09/03/25 10:39	1

Lab Sample ID: LCS 480-755859/3

Matrix: Water

Analysis Batch: 755859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	19.5	19.2		ug/L		98	85 - 120

Lab Sample ID: LCSD 480-755859/4

Matrix: Water

Analysis Batch: 755859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane	19.5	20.2		ug/L		104	85 - 120	5	50

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-755820/1-A

Matrix: Water

Analysis Batch: 755913

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 755820

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		09/03/25 07:58	09/03/25 14:00	1

Lab Sample ID: LCS 480-755820/2-A

Matrix: Water

Analysis Batch: 755913

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 755820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.12	5.05		mg/L		99	80 - 120

Lab Sample ID: 480-232200-1 MS

Matrix: Water

Analysis Batch: 755913

Client Sample ID: MW-10D-1

Prep Type: Total/NA

Prep Batch: 755820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	0.13		5.12	5.11		mg/L		97	75 - 125

Lab Sample ID: 480-232200-1 MSD

Matrix: Water

Analysis Batch: 755913

Client Sample ID: MW-10D-1

Prep Type: Total/NA

Prep Batch: 755820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	0.13		5.12	5.06		mg/L		96	75 - 125	1	20

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QC Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 480-755821/1-A
Matrix: Water
Analysis Batch: 755967

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 755821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron, Dissolved	ND		0.050	0.019	mg/L		09/03/25 07:59	09/03/25 16:26	1

Lab Sample ID: LCS 480-755821/2-A
Matrix: Water
Analysis Batch: 755967

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 755821

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	5.12	5.03		mg/L		98	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-755895/28
Matrix: Water
Analysis Batch: 755895

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	0.35	mg/L			09/03/25 21:28	1

Lab Sample ID: LCS 480-755895/29
Matrix: Water
Analysis Batch: 755895

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	50.1	49.12		mg/L		98	90 - 110

Lab Sample ID: 480-232200-1 MS
Matrix: Water
Analysis Batch: 755895

Client Sample ID: MW-10D-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	16.8		100	113.9		mg/L		97	80 - 120

Lab Sample ID: 480-232200-1 MSD
Matrix: Water
Analysis Batch: 755895

Client Sample ID: MW-10D-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	16.8		100	110.6		mg/L		94	80 - 120	3	15

Lab Sample ID: 480-232200-9 MS
Matrix: Water
Analysis Batch: 755895

Client Sample ID: MW-9D-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	25.1		100	124.0		mg/L		99	80 - 120

QC Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 480-756189/7

Matrix: Water

Analysis Batch: 756189

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			09/05/25 18:41	1

Lab Sample ID: LCS 480-756189/8

Matrix: Water

Analysis Batch: 756189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.50	1.53		mg/L		102	90 - 110

Lab Sample ID: 480-232200-5 MS

Matrix: Water

Analysis Batch: 756189

Client Sample ID: MW-7D-D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	ND		0.998	1.01		mg/L		101	90 - 110

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-755972/4

Matrix: Water

Analysis Batch: 755972

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			09/03/25 15:57	1

Lab Sample ID: LCS 480-755972/5

Matrix: Water

Analysis Batch: 755972

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	30.0	28.26		mg/L		94	90 - 110

Lab Sample ID: 480-232200-1 MS

Matrix: Water

Analysis Batch: 755972

Client Sample ID: MW-10D-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	0.64	J	23.3	23.32		mg/L		98	54 - 131

Lab Sample ID: 480-232200-2 DU

Matrix: Water

Analysis Batch: 755972

Client Sample ID: MW-10D-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	ND		ND		mg/L		NC	20

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QC Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 480-755748/3

Matrix: Water

Analysis Batch: 755748

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			08/30/25 13:13	1

Lab Sample ID: LCS 480-755748/4

Matrix: Water

Analysis Batch: 755748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	4.80	4.80		mg/L		100	90 - 110

Lab Sample ID: 480-232200-2 MS

Matrix: Water

Analysis Batch: 755748

Client Sample ID: MW-10D-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	ND	F1	1.65	2.80	F1	mg/L		170	40 - 150

Lab Sample ID: 480-232200-1 DU

Matrix: Water

Analysis Batch: 755748

Client Sample ID: MW-10D-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	ND		ND		mg/L		NC	20

Lab Sample ID: 480-232200-7 DU

Matrix: Water

Analysis Batch: 755748

Client Sample ID: MW-9D-1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide	ND		ND		mg/L		NC	20

QC Association Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

GC/MS VOA

Analysis Batch: 755787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	8260C SIM	
480-232200-2	MW-10D-2	Total/NA	Water	8260C SIM	
480-232200-3	MW-10D-3	Total/NA	Water	8260C SIM	
480-232200-4	MW-7D-S	Total/NA	Water	8260C SIM	
480-232200-5	MW-7D-D	Total/NA	Water	8260C SIM	
480-232200-6	MW-7D-D DUP	Total/NA	Water	8260C SIM	
480-232200-7	MW-9D-1	Total/NA	Water	8260C SIM	
480-232200-8	MW-9D-2	Total/NA	Water	8260C SIM	
480-232200-9	MW-9D-3	Total/NA	Water	8260C SIM	
480-232200-10	EB-01	Total/NA	Water	8260C SIM	
480-232200-11	FB-01	Total/NA	Water	8260C SIM	
480-232200-12	TRIP BLANK	Total/NA	Water	8260C SIM	
MB 480-755787/9	Method Blank	Total/NA	Water	8260C SIM	
LCS 480-755787/7	Lab Control Sample	Total/NA	Water	8260C SIM	
480-232200-5 MS	MW-7D-D	Total/NA	Water	8260C SIM	
480-232200-5 MSD	MW-7D-D	Total/NA	Water	8260C SIM	

Analysis Batch: 1060114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	8260D	
480-232200-2	MW-10D-2	Total/NA	Water	8260D	
480-232200-3	MW-10D-3	Total/NA	Water	8260D	
480-232200-4	MW-7D-S	Total/NA	Water	8260D	
480-232200-5	MW-7D-D	Total/NA	Water	8260D	
480-232200-6	MW-7D-D DUP	Total/NA	Water	8260D	
480-232200-7	MW-9D-1	Total/NA	Water	8260D	
480-232200-8	MW-9D-2	Total/NA	Water	8260D	
480-232200-9	MW-9D-3	Total/NA	Water	8260D	
480-232200-10	EB-01	Total/NA	Water	8260D	
480-232200-11	FB-01	Total/NA	Water	8260D	
480-232200-12	TRIP BLANK	Total/NA	Water	8260D	
MB 460-1060114/7	Method Blank	Total/NA	Water	8260D	
LCS 460-1060114/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1060114/4	Lab Control Sample Dup	Total/NA	Water	8260D	
480-232200-5 MS	MW-7D-D	Total/NA	Water	8260D	
480-232200-5 MSD	MW-7D-D	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 755859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	RSK-175	
480-232200-2	MW-10D-2	Total/NA	Water	RSK-175	
480-232200-3	MW-10D-3	Total/NA	Water	RSK-175	
480-232200-4	MW-7D-S	Total/NA	Water	RSK-175	
480-232200-5	MW-7D-D	Total/NA	Water	RSK-175	
480-232200-6	MW-7D-D DUP	Total/NA	Water	RSK-175	
480-232200-7	MW-9D-1	Total/NA	Water	RSK-175	
480-232200-8	MW-9D-2	Total/NA	Water	RSK-175	
480-232200-9	MW-9D-3	Total/NA	Water	RSK-175	
MB 480-755859/2	Method Blank	Total/NA	Water	RSK-175	

Eurofins Buffalo

QC Association Summary

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

GC VOA (Continued)

Analysis Batch: 755859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-755859/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-755859/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Metals

Prep Batch: 755820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	3005A	
480-232200-2	MW-10D-2	Total/NA	Water	3005A	
480-232200-3	MW-10D-3	Total/NA	Water	3005A	
480-232200-4	MW-7D-S	Total/NA	Water	3005A	
480-232200-5	MW-7D-D	Total/NA	Water	3005A	
480-232200-6	MW-7D-D DUP	Total/NA	Water	3005A	
480-232200-7	MW-9D-1	Total/NA	Water	3005A	
480-232200-8	MW-9D-2	Total/NA	Water	3005A	
480-232200-9	MW-9D-3	Total/NA	Water	3005A	
MB 480-755820/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-755820/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-232200-1 MS	MW-10D-1	Total/NA	Water	3005A	
480-232200-1 MSD	MW-10D-1	Total/NA	Water	3005A	

Prep Batch: 755821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Dissolved	Water	3005A	
480-232200-2	MW-10D-2	Dissolved	Water	3005A	
480-232200-3	MW-10D-3	Dissolved	Water	3005A	
480-232200-4	MW-7D-S	Dissolved	Water	3005A	
480-232200-5	MW-7D-D	Dissolved	Water	3005A	
480-232200-6	MW-7D-D DUP	Dissolved	Water	3005A	
480-232200-7	MW-9D-1	Dissolved	Water	3005A	
480-232200-8	MW-9D-2	Dissolved	Water	3005A	
480-232200-9	MW-9D-3	Dissolved	Water	3005A	
MB 480-755821/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 480-755821/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 755913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	6010D	755820
480-232200-2	MW-10D-2	Total/NA	Water	6010D	755820
480-232200-3	MW-10D-3	Total/NA	Water	6010D	755820
480-232200-4	MW-7D-S	Total/NA	Water	6010D	755820
480-232200-5	MW-7D-D	Total/NA	Water	6010D	755820
480-232200-6	MW-7D-D DUP	Total/NA	Water	6010D	755820
480-232200-7	MW-9D-1	Total/NA	Water	6010D	755820
480-232200-8	MW-9D-2	Total/NA	Water	6010D	755820
480-232200-9	MW-9D-3	Total/NA	Water	6010D	755820
MB 480-755820/1-A	Method Blank	Total/NA	Water	6010D	755820
LCS 480-755820/2-A	Lab Control Sample	Total/NA	Water	6010D	755820
480-232200-1 MS	MW-10D-1	Total/NA	Water	6010D	755820
480-232200-1 MSD	MW-10D-1	Total/NA	Water	6010D	755820

Eurofins Buffalo

QC Association Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Metals

Analysis Batch: 755967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Dissolved	Water	6010D	755821
480-232200-2	MW-10D-2	Dissolved	Water	6010D	755821
480-232200-3	MW-10D-3	Dissolved	Water	6010D	755821
480-232200-4	MW-7D-S	Dissolved	Water	6010D	755821
480-232200-5	MW-7D-D	Dissolved	Water	6010D	755821
480-232200-6	MW-7D-D DUP	Dissolved	Water	6010D	755821
480-232200-7	MW-9D-1	Dissolved	Water	6010D	755821
480-232200-8	MW-9D-2	Dissolved	Water	6010D	755821
480-232200-9	MW-9D-3	Dissolved	Water	6010D	755821
MB 480-755821/1-A	Method Blank	Total Recoverable	Water	6010D	755821
LCS 480-755821/2-A	Lab Control Sample	Total Recoverable	Water	6010D	755821

General Chemistry

Analysis Batch: 755748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	SM 4500 S2 F	
480-232200-2	MW-10D-2	Total/NA	Water	SM 4500 S2 F	
480-232200-3	MW-10D-3	Total/NA	Water	SM 4500 S2 F	
480-232200-4	MW-7D-S	Total/NA	Water	SM 4500 S2 F	
480-232200-5	MW-7D-D	Total/NA	Water	SM 4500 S2 F	
480-232200-6	MW-7D-D DUP	Total/NA	Water	SM 4500 S2 F	
480-232200-7	MW-9D-1	Total/NA	Water	SM 4500 S2 F	
480-232200-8	MW-9D-2	Total/NA	Water	SM 4500 S2 F	
480-232200-9	MW-9D-3	Total/NA	Water	SM 4500 S2 F	
MB 480-755748/3	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-755748/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
480-232200-2 MS	MW-10D-2	Total/NA	Water	SM 4500 S2 F	
480-232200-1 DU	MW-10D-1	Total/NA	Water	SM 4500 S2 F	
480-232200-7 DU	MW-9D-1	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 755895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	300.0	
480-232200-2	MW-10D-2	Total/NA	Water	300.0	
480-232200-3	MW-10D-3	Total/NA	Water	300.0	
480-232200-4	MW-7D-S	Total/NA	Water	300.0	
480-232200-5	MW-7D-D	Total/NA	Water	300.0	
480-232200-6	MW-7D-D DUP	Total/NA	Water	300.0	
480-232200-7	MW-9D-1	Total/NA	Water	300.0	
480-232200-8	MW-9D-2	Total/NA	Water	300.0	
480-232200-9	MW-9D-3	Total/NA	Water	300.0	
MB 480-755895/28	Method Blank	Total/NA	Water	300.0	
LCS 480-755895/29	Lab Control Sample	Total/NA	Water	300.0	
480-232200-1 MS	MW-10D-1	Total/NA	Water	300.0	
480-232200-1 MSD	MW-10D-1	Total/NA	Water	300.0	
480-232200-9 MS	MW-9D-3	Total/NA	Water	300.0	

Analysis Batch: 755972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	9060A	

Eurofins Buffalo

QC Association Summary

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

General Chemistry (Continued)

Analysis Batch: 755972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-2	MW-10D-2	Total/NA	Water	9060A	
480-232200-3	MW-10D-3	Total/NA	Water	9060A	
480-232200-4	MW-7D-S	Total/NA	Water	9060A	
480-232200-5	MW-7D-D	Total/NA	Water	9060A	
480-232200-6	MW-7D-D DUP	Total/NA	Water	9060A	
480-232200-7	MW-9D-1	Total/NA	Water	9060A	
480-232200-8	MW-9D-2	Total/NA	Water	9060A	
480-232200-9	MW-9D-3	Total/NA	Water	9060A	
MB 480-755972/4	Method Blank	Total/NA	Water	9060A	
LCS 480-755972/5	Lab Control Sample	Total/NA	Water	9060A	
480-232200-1 MS	MW-10D-1	Total/NA	Water	9060A	
480-232200-2 DU	MW-10D-2	Total/NA	Water	9060A	

Analysis Batch: 756189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232200-1	MW-10D-1	Total/NA	Water	353.2	
480-232200-2	MW-10D-2	Total/NA	Water	353.2	
480-232200-3	MW-10D-3	Total/NA	Water	353.2	
480-232200-4	MW-7D-S	Total/NA	Water	353.2	
480-232200-5	MW-7D-D	Total/NA	Water	353.2	
480-232200-6	MW-7D-D DUP	Total/NA	Water	353.2	
480-232200-7	MW-9D-1	Total/NA	Water	353.2	
480-232200-8	MW-9D-2	Total/NA	Water	353.2	
480-232200-9	MW-9D-3	Total/NA	Water	353.2	
MB 480-756189/7	Method Blank	Total/NA	Water	353.2	
LCS 480-756189/8	Lab Control Sample	Total/NA	Water	353.2	
480-232200-5 MS	MW-7D-D	Total/NA	Water	353.2	

Lab Chronicle

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-10D-1

Lab Sample ID: 480-232200-1

Date Collected: 08/26/25 10:55

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 14:50
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 12:39
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 11:39
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 16:59
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:08
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/03/25 23:11
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 18:53
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/03/25 16:53
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-10D-2

Lab Sample ID: 480-232200-2

Date Collected: 08/26/25 12:00

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 15:12
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 13:03
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 11:58
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:06
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:24
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 00:39
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 18:55
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/03/25 17:48
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-10D-3

Lab Sample ID: 480-232200-3

Date Collected: 08/26/25 13:10

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 15:35
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 13:26
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 12:17
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:08
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:26
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 00:53
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 18:57

Eurofins Buffalo

Lab Chronicle

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-10D-3

Lab Sample ID: 480-232200-3

Date Collected: 08/26/25 13:10

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/03/25 20:06
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-7D-S

Lab Sample ID: 480-232200-4

Date Collected: 08/27/25 12:25

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 15:58
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 13:49
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 12:35
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:10
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:27
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 01:08
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 18:58
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/03/25 23:20
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-7D-D

Lab Sample ID: 480-232200-5

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 16:21
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 14:13
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 12:54
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:12
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:29
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 01:22
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 19:04
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/03/25 23:47
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-7D-D DUP

Lab Sample ID: 480-232200-6

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 16:44

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Lab Chronicle

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-7D-D DUP

Lab Sample ID: 480-232200-6

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 14:36
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 13:13
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:14
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:31
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 01:37
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 19:08
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/04/25 00:15
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-9D-1

Lab Sample ID: 480-232200-7

Date Collected: 08/27/25 10:25

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 17:07
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 14:59
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 13:32
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:16
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:33
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 01:52
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 19:10
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/04/25 00:43
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-9D-2

Lab Sample ID: 480-232200-8

Date Collected: 08/27/25 12:10

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 17:30
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 15:23
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 13:51
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:18
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:35
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 02:06
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 19:12
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/04/25 01:10

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Lab Chronicle

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Client Sample ID: MW-9D-2

Lab Sample ID: 480-232200-8

Date Collected: 08/27/25 12:10

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: MW-9D-3

Lab Sample ID: 480-232200-9

Date Collected: 08/27/25 13:15

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 17:53
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 15:46
Total/NA	Analysis	RSK-175		1	755859	JLS	EET BUF	09/03/25 14:10
Dissolved	Prep	3005A			755821	EMO	EET BUF	09/03/25 07:59
Dissolved	Analysis	6010D		1	755967	MP	EET BUF	09/03/25 17:20
Total/NA	Prep	3005A			755820	EMO	EET BUF	09/03/25 07:58
Total/NA	Analysis	6010D		1	755913	MP	EET BUF	09/03/25 14:39
Total/NA	Analysis	300.0		2	755895	AF	EET BUF	09/04/25 02:21
Total/NA	Analysis	353.2		1	756189	AM	EET BUF	09/05/25 19:14
Total/NA	Analysis	9060A		1	755972	AF	EET BUF	09/04/25 01:38
Total/NA	Analysis	SM 4500 S2 F		1	755748	AM	EET BUF	08/30/25 13:13

Client Sample ID: EB-01

Lab Sample ID: 480-232200-10

Date Collected: 08/27/25 14:00

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 18:16
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 09:56

Client Sample ID: FB-01

Lab Sample ID: 480-232200-11

Date Collected: 08/28/25 09:00

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 18:39
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 10:20

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-232200-12

Date Collected: 08/26/25 00:00

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C SIM		1	755787	AXK	EET BUF	09/02/25 19:02
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 09:33

Eurofins Buffalo

Lab Chronicle

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232200-1

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600
EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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Accreditation/Certification Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-26

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	04-01-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Method	Method Description	Protocol	Laboratory
8260C SIM	Volatile Organic Compounds (GC/MS)	SW846	EET BUF
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
6010D	Metals (ICP)	SW846	EET BUF
300.0	Anions, Ion Chromatography	EPA	EET BUF
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET BUF
9060A	Organic Carbon, Total (TOC)	SW846	EET BUF
SM 4500 S2 F	Sulfide, Total	SM	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
5030C	Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: WSP USA Inc

Job ID: 480-232200-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-232200-1	MW-10D-1	Water	08/26/25 10:55	08/29/25 10:00	New York
480-232200-2	MW-10D-2	Water	08/26/25 12:00	08/29/25 10:00	New York
480-232200-3	MW-10D-3	Water	08/26/25 13:10	08/29/25 10:00	New York
480-232200-4	MW-7D-S	Water	08/27/25 12:25	08/29/25 10:00	New York
480-232200-5	MW-7D-D	Water	08/27/25 10:25	08/29/25 10:00	New York
480-232200-6	MW-7D-D DUP	Water	08/27/25 10:25	08/29/25 10:00	New York
480-232200-7	MW-9D-1	Water	08/27/25 10:25	08/29/25 10:00	New York
480-232200-8	MW-9D-2	Water	08/27/25 12:10	08/29/25 10:00	New York
480-232200-9	MW-9D-3	Water	08/27/25 13:15	08/29/25 10:00	New York
480-232200-10	EB-01	Water	08/27/25 14:00	08/29/25 10:00	New York
480-232200-11	FB-01	Water	08/28/25 09:00	08/29/25 10:00	New York
480-232200-12	TRIP BLANK	Water	08/26/25 00:00	08/29/25 10:00	New York

Chain of Custody Record

Client Information		Lab PM		Carrier Tracking No(s)		COC No										
Client Contact: Chuck Staples		Schove, John R		State of Origin NY		480-206874-41950.5										
Company: WSP USA Inc		E-Mail: John.Schove@et.eurofins.com		Page 5		Page 112										
Address: 2 Monument Square Suite 200		PWSID		Job #												
City: Portland		Due Date Requested:		Analysis Requested		Preservation Codes:										
State, Zip: ME, 04101		TAT Requested (days): per 02/07/25				A - HCL D - HNO3 S - H2SO4 N - None CB - ZnAcetate/NaOH										
Phone: P100067US022		Compliance Project: ☐ Yes ☒ No														
Email: charles.staples@wsp.com		PO #:														
Project Name: Sarney Farm Superfund Site, Amenia, NY		WO #: US0035968.4020														
Site: SSOW#		Project #: 48027946														
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, B=solid, O=wastewater, B1=tissue, A=air, D=drinking water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C SIM - 1,4 Dioxane	522 - 1,4 Dioxane	8010C - Metals - Iron	9060A - Organic Carbon, Total (TOC)	RSK_175 - Methane	353_2 Pres - Nitrate-Nitrite	300_0 28D - Sulfate	SM4500_S2_F - Sulfide, Total	6010C - Metals - Dissolved Iron	Special Instructions/Note:
MW-10D-1	8/26/25	1055	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Also email to:
MW-10D-2	8/26/25	1200	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Joshua Minard: dup.
MW-10D-3	8/26/25	1310	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	com
MW-70D-S	8/27/25	1225	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
MW-70D-D	8/27/25	1025	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
MW-70D-D DUP			C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
MW-70D-D MS	8/27/25	1025	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
MW-70D-D MSD	8/27/25	1025	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
MW-90D-1	8/27/25	1210	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
MW-90D-2	8/27/25	1210	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
MW-90D-3	8/27/25	1315	C	Water	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	

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

Special Instructions/QC Requirements:	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Return To Client ☐ Disposal By Lab ☒ Archive For ☐ Months	

Empty Kit Relinquished by:		Date:	
Relinquished by: Ana Hilly	Company: WSP	Date/Time: 8/27/25 1700	Method of Shipment:
Relinquished by: Ana Hilly	Company: WSP	Date/Time: 8/28/25 1154	Received by: sample fridge
Relinquished by: Ana Hilly	Company: WSP	Date/Time: 8/28/25 1154	Received by: WSP
Relinquished by: Ana Hilly	Company: WSP	Date/Time: 8/28/25 1154	Received by: WSP
Custody Seal Intact: ☒ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s): 2.7	Other Remarks: 3.6 F12 #5C 1C1C

Chain of Custody Record

[illegible]

Eurofins Buffalo

10 Hazelwood Drive
Amherst, NY 14226-2288
Phone: 716-891-2600 Fax: 716-891-7991

Chain of Custody Record



Environmental Testing

Client Information (Sub Contract Lab)		Sampler: N/A		Lab Pmt: Schove, John R		Carrier Tracking No(s): N/A		COC No: 480-94712.1	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: John.Schove@eurofins.com		State of Origin: New York		Page: Page 1 of 2	
Company: Eurofins Environment Testing Northeast L		Address: 777 New Durham Road,		City: Edison		State, Zip: NJ 08817		Job #: 480-232200-1	
Phone: 732-549-3900(Tel) 732-549-3679(Fax)		PO #: N/A		WO #: N/A		Project #: 48027946		Preservation Codes:	
Email: N/A		Spec: N/A		Matrix (V=Water, S=Solid, O=On-site)		Sample Type (C=Comp, G=Grab)		Special Instructions/Note:	
Project Name: Sarney Farm Superfund Site, Amenia, NY		Sample Date		Sample Time		Preservation Code		Field Filtered Sample (Yes or No)	
Spec: N/A		Sample Date		Sample Time		Preservation Code		Field Filtered Sample (Yes or No)	
Sample Identification		Client ID (Lab ID)		Sample Date		Sample Time		Preservation Code	
MW-10D-1 (480-232200-1)				8/26/25		10:55 Eastern		G Water	
MW-10D-2 (480-232200-2)				8/26/25		12:00 Eastern		G Water	
MW-10D-3 (480-232200-3)				8/26/25		13:10 Eastern		G Water	
MW-7D-S (480-232200-4)				8/27/25		12:25 Eastern		G Water	
MW-7D-D (480-232200-5)				8/27/25		10:25 Eastern		G Water	
MW-7D-D (480-232200-5MS)				8/27/25		10:25 Eastern		G Water	
MW-7D-D (480-232200-5MSD)				8/27/25		10:25 Eastern		G Water	
MW-7D-D DUP (480-232200-6)				8/27/25		10:25 Eastern		G Water	
MW-9D-1 (480-232200-7)				8/27/25		10:25 Eastern		G Water	
Note: Since laboratory accreditation is subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.									
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV Other (specify)									
Primary Deliverable Rank: 2									
Empty Kit Relinquished by									
Relinquished by: <i>NS</i>									
Date/Time: 8-29-25 1600									
Relinquished by:									
Date/Time:									
Relinquished by:									
Date/Time:									
Custody Seal No. 2739876									
Custody Seals Intact: ☐ Yes ☐ No									
Cooler Temperature(s) °C and Other Remarks: 0.8 10.5 JRC									
Ver: 10/10/2024									

Eurofins Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)		Sampler	Lab PM:	Carrier Tracking No(s):	IOC No:					
Shipping/Receiving		N/A	Schove, John R	N/A	480-94712.2					
Company:		Phone:	E-Mail:	State of Origin:	Page:					
Eurofins Environment Testing Northeast L		N/A	John.Schove@eurofins.com	New York	Page 2 of 2					
Address:		Due Date Requested:	Accreditations Required (See note):							
777 New Durham Road		10/6/2025	NELAP New York							
City:		TAT Requested (days):	Analysis Requested:							
Edison										
State, Zip:										
NJ 08817										
Phone:		PO #:								
732-549-3900(Tel) 732-549-3679(Fax)		N/A								
Email:		WO #:								
N/A		N/A								
Project Name:		Project #:								
Sammy Farm Superfund Site, Amenia, NY		48027946								
Site:		SSOW#:								
N/A		N/A								
Sample Identification	Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (V=Water, S=Solid, O=Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D, LL/5030CLow Level VOCs Site Specific List	Total Number of Containers	Special Instructions/Note:
MW-9D-2 (480-232200-8)		8/27/25	12:10 Eastern	G	Water			X	3	
MW-9D-3 (480-232200-9)		8/27/25	13:15 Eastern	G	Water			X	3	
EB-01 (480-232200-10)		8/27/25	14:00 Eastern	G	Water			X	3	
FB-01 (480-232200-11)		8/28/25	09:00 Eastern	G	Water			X	2	
TRIP BLANK (480-232200-12)		8/26/25	Eastern	G	Water			X	2	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analysis & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.										
Possible Hazard Identification										
Unconfirmed										
Deliverable Requested: I, II, III, IV Other (specify)										
Primary Deliverable Rank: 2										
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months										
Special Instructions/QC Requirements:										
Empty Kit Relinquished by:										
Date/Time:										
Relinquished by:										
Date/Time:										
Relinquished by:										
Date/Time:										
Relinquished by:										
Date/Time:										
Custody Seals Intact: ☐ Yes ☐ No										
Custody Seal No. 2738874										
Cooler Temperature(s) °C and Other Remarks: 2.8 0.5 IR99										

Ver 10/10/2024

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 480-232200-1

Login Number: 232200

List Source: Eurofins Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	wsp
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 480-232200-1

Login Number: 232200

List Number: 2

Creator: Rivera, Kenneth

List Source: Eurofins Edison

List Creation: 08/30/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2738876
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

PREPARED FOR

Attn: Joshua Minardi
WSP USA Inc
500 Winding Brook Dr
First Floor
Glastonbury, Connecticut 06033

Generated 9/14/2025 10:08:13 PM

JOB DESCRIPTION

Sarney Farm Superfund Site, Amenia, NY

JOB NUMBER

480-232195-1

Eurofins Buffalo

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

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Definitions/Glossary

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc
Project: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Job ID: 480-232195-1

Eurofins Buffalo

Job Narrative 480-232195-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 8/29/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

GC/MS VOA

Method 8260D_LL: The continuing calibration verification (CCV) analyzed in batch 460-1060114 was outside the method criteria for the following analyte(s): Carbon tetrachloride (biased high) and Chloromethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D_LL: The laboratory control sample (LCS) for analytical batch 460-1060114 recovered outside control limits for the following analyte: Carbon tetrachloride. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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

Eurofins Buffalo

Detection Summary

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Client Sample ID: 224 BHR

Lab Sample ID: 480-232195-1

No Detections.

Client Sample ID: 199 BHR

Lab Sample ID: 480-232195-2

No Detections.

Client Sample ID: 154 BHR

Lab Sample ID: 480-232195-3

No Detections.

Client Sample ID: 151 BHR

Lab Sample ID: 480-232195-4

No Detections.

Client Sample ID: 225 BHR

Lab Sample ID: 480-232195-5

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 480-232195-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.41	J	0.50	0.33	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Client Sample ID: 224 BHR

Lab Sample ID: 480-232195-1

Date Collected: 08/26/25 14:20

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 10:43	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 10:43	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 10:43	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 10:43	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 10:43	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 10:43	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 10:43	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 10:43	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 10:43	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 10:43	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 10:43	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 10:43	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 10:43	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 10:43	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 10:43	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 10:43	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 10:43	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 10:43	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 10:43	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 10:43	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 10:43	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 10:43	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 10:43	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 10:43	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 10:43	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 10:43	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 10:43	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 10:43	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 10:43	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 10:43	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 10:43	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 10:43	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 10:43	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 10:43	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 10:43	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 10:43	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 10:43	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 10:43	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 10:43	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 10:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 128		09/09/25 10:43	1
Dibromofluoromethane (Surr)	108		77 - 132		09/09/25 10:43	1
Toluene-d8 (Surr)	100		80 - 120		09/09/25 10:43	1
4-Bromofluorobenzene	96		76 - 120		09/09/25 10:43	1

Eurofins Buffalo

Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Client Sample ID: 199 BHR

Lab Sample ID: 480-232195-2

Date Collected: 08/26/25 14:35

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 11:06	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 11:06	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 11:06	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 11:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 11:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 11:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 11:06	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 11:06	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 11:06	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 11:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 11:06	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 11:06	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 11:06	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 11:06	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 11:06	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 11:06	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 11:06	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 11:06	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 11:06	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 11:06	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 11:06	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 11:06	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 11:06	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 11:06	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 11:06	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 11:06	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 11:06	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 11:06	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 11:06	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 11:06	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 11:06	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 11:06	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 11:06	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 11:06	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 11:06	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 11:06	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 11:06	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 11:06	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 11:06	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128		09/09/25 11:06	1
Dibromofluoromethane (Surr)	109		77 - 132		09/09/25 11:06	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 11:06	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 11:06	1

Eurofins Buffalo

Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Client Sample ID: 154 BHR

Lab Sample ID: 480-232195-3

Date Collected: 08/26/25 14:50

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 11:29	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 11:29	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 11:29	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 11:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 11:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 11:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 11:29	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 11:29	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 11:29	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 11:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 11:29	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 11:29	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 11:29	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 11:29	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 11:29	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 11:29	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 11:29	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 11:29	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 11:29	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 11:29	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 11:29	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 11:29	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 11:29	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 11:29	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 11:29	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 11:29	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 11:29	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 11:29	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 11:29	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 11:29	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 11:29	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 11:29	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 11:29	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 11:29	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 11:29	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 11:29	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 11:29	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 11:29	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 128		09/09/25 11:29	1
Dibromofluoromethane (Surr)	110		77 - 132		09/09/25 11:29	1
Toluene-d8 (Surr)	99		80 - 120		09/09/25 11:29	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 11:29	1

Eurofins Buffalo

Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Client Sample ID: 151 BHR

Lab Sample ID: 480-232195-4

Date Collected: 08/26/25 15:05

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 11:53	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 11:53	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 11:53	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 11:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 11:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 11:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 11:53	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 11:53	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 11:53	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 11:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 11:53	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 11:53	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 11:53	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 11:53	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 11:53	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 11:53	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 11:53	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 11:53	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 11:53	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 11:53	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 11:53	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 11:53	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 11:53	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 11:53	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 11:53	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 11:53	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 11:53	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 11:53	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 11:53	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 11:53	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 11:53	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 11:53	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 11:53	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 11:53	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 11:53	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 11:53	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 11:53	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 11:53	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 128		09/09/25 11:53	1
Dibromofluoromethane (Surr)	109		77 - 132		09/09/25 11:53	1
Toluene-d8 (Surr)	99		80 - 120		09/09/25 11:53	1
4-Bromofluorobenzene	96		76 - 120		09/09/25 11:53	1

Eurofins Buffalo

Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Client Sample ID: 225 BHR

Lab Sample ID: 480-232195-5

Date Collected: 08/26/25 16:20

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 12:16	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 12:16	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 12:16	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 12:16	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 12:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 12:16	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 12:16	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 12:16	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 12:16	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 12:16	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 12:16	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 12:16	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 12:16	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 12:16	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 12:16	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 12:16	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 12:16	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 12:16	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 12:16	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 12:16	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 12:16	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 12:16	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 12:16	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 12:16	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 12:16	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 12:16	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 12:16	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 12:16	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 12:16	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 12:16	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 12:16	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 12:16	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 12:16	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 12:16	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 12:16	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 12:16	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 12:16	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 12:16	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 12:16	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 12:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 128		09/09/25 12:16	1
Dibromofluoromethane (Surr)	109		77 - 132		09/09/25 12:16	1
Toluene-d8 (Surr)	99		80 - 120		09/09/25 12:16	1
4-Bromofluorobenzene	95		76 - 120		09/09/25 12:16	1

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Client Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-232195-6

Date Collected: 08/26/25 00:00

Matrix: Water

Date Received: 08/29/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 09:09	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 09:09	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 09:09	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 09:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 09:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 09:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 09:09	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 09:09	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 09:09	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 09:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 09:09	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 09:09	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 09:09	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 09:09	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 09:09	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 09:09	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 09:09	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 09:09	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 09:09	1
Carbon tetrachloride	ND	*+	0.50	0.21	ug/L			09/09/25 09:09	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 09:09	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 09:09	1
Chloroform	0.41	J	0.50	0.33	ug/L			09/09/25 09:09	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 09:09	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 09:09	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 09:09	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 09:09	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 09:09	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 09:09	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 09:09	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 09:09	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 09:09	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 09:09	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 09:09	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 09:09	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 09:09	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 09:09	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 09:09	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 09:09	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 09:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 128		09/09/25 09:09	1
Dibromofluoromethane (Surr)	108		77 - 132		09/09/25 09:09	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 09:09	1
4-Bromofluorobenzene	96		76 - 120		09/09/25 09:09	1

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Surrogate Summary

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (70-128)	DBFM (77-132)	TOL (80-120)	BFB (76-120)
480-232195-1	224 BHR	108	108	100	96
480-232195-2	199 BHR	109	109	98	95
480-232195-3	154 BHR	111	110	99	95
480-232195-4	151 BHR	109	109	99	96
480-232195-5	225 BHR	110	109	99	95
480-232195-6	Trip Blank	107	108	98	96
LCS 460-1060114/3	Lab Control Sample	107	108	96	100
LCSD 460-1060114/4	Lab Control Sample Dup	103	105	97	100
MB 460-1060114/7	Method Blank	107	108	98	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

QC Sample Results

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Lab Sample ID: MB 460-1060114/7

Matrix: Water

Analysis Batch: 1060114

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.24	ug/L			09/09/25 08:46	1
1,1,2-Trichloroethane	ND		0.50	0.19	ug/L			09/09/25 08:46	1
1,1-Dichloroethane	ND		0.50	0.26	ug/L			09/09/25 08:46	1
1,1-Dichloroethene	ND		0.50	0.26	ug/L			09/09/25 08:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.36	ug/L			09/09/25 08:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.37	ug/L			09/09/25 08:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.37	ug/L			09/09/25 08:46	1
1,2-Dichlorobenzene	ND		0.50	0.21	ug/L			09/09/25 08:46	1
1,2-Dichloroethane	ND		0.50	0.087	ug/L			09/09/25 08:46	1
1,2-Dichloropropane	ND		0.50	0.074	ug/L			09/09/25 08:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.33	ug/L			09/09/25 08:46	1
1,3-Dichlorobenzene	ND		0.50	0.34	ug/L			09/09/25 08:46	1
1,4-Dichlorobenzene	ND		0.50	0.33	ug/L			09/09/25 08:46	1
2-Butanone (MEK)	ND		5.0	3.9	ug/L			09/09/25 08:46	1
2-Hexanone	ND		2.5	1.1	ug/L			09/09/25 08:46	1
4-Methyl-2-pentanone (MIBK)	ND		2.5	1.3	ug/L			09/09/25 08:46	1
Acetone	ND		5.0	4.4	ug/L			09/09/25 08:46	1
Benzene	ND		0.50	0.070	ug/L			09/09/25 08:46	1
Carbon disulfide	ND		1.0	0.82	ug/L			09/09/25 08:46	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			09/09/25 08:46	1
Chlorobenzene	ND		0.50	0.38	ug/L			09/09/25 08:46	1
Chloroethane	ND		0.50	0.32	ug/L			09/09/25 08:46	1
Chloroform	ND		0.50	0.33	ug/L			09/09/25 08:46	1
Chloromethane	ND		0.50	0.40	ug/L			09/09/25 08:46	1
cis-1,2-Dichloroethene	ND		0.50	0.48	ug/L			09/09/25 08:46	1
Dichlorodifluoromethane	ND		0.50	0.31	ug/L			09/09/25 08:46	1
Ethylbenzene	ND		0.50	0.30	ug/L			09/09/25 08:46	1
Methylene Chloride	ND		1.0	0.65	ug/L			09/09/25 08:46	1
m-Xylene & p-Xylene	ND		0.50	0.30	ug/L			09/09/25 08:46	1
Naphthalene	ND		3.0	2.1	ug/L			09/09/25 08:46	1
N-Propylbenzene	ND		0.50	0.32	ug/L			09/09/25 08:46	1
o-Xylene	ND		0.50	0.36	ug/L			09/09/25 08:46	1
Styrene	ND		0.50	0.42	ug/L			09/09/25 08:46	1
Tetrachloroethene	ND		0.50	0.28	ug/L			09/09/25 08:46	1
Toluene	ND		0.50	0.38	ug/L			09/09/25 08:46	1
trans-1,2-Dichloroethene	ND		0.50	0.24	ug/L			09/09/25 08:46	1
Trichloroethene	ND		0.50	0.074	ug/L			09/09/25 08:46	1
Trichlorofluoromethane	ND		0.50	0.32	ug/L			09/09/25 08:46	1
Vinyl chloride	ND		0.50	0.40	ug/L			09/09/25 08:46	1
Xylenes, Total	ND		1.0	0.65	ug/L			09/09/25 08:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 128		09/09/25 08:46	1
Dibromofluoromethane (Surr)	108		77 - 132		09/09/25 08:46	1
Toluene-d8 (Surr)	98		80 - 120		09/09/25 08:46	1
4-Bromofluorobenzene	96		76 - 120		09/09/25 08:46	1

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QC Sample Results

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

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

Lab Sample ID: LCS 460-1060114/3

Matrix: Water

Analysis Batch: 1060114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	25.1		ug/L		126	72 - 128
1,1,2-Trichloroethane	20.0	22.0		ug/L		110	74 - 125
1,1-Dichloroethane	20.0	23.3		ug/L		117	73 - 130
1,1-Dichloroethene	20.0	24.6		ug/L		123	68 - 133
1,2,3-Trichlorobenzene	20.0	22.6		ug/L		113	55 - 150
1,2,4-Trichlorobenzene	20.0	22.9		ug/L		114	67 - 132
1,2,4-Trimethylbenzene	20.0	24.0		ug/L		120	75 - 125
1,2-Dichlorobenzene	20.0	22.6		ug/L		113	80 - 120
1,2-Dichloroethane	20.0	22.6		ug/L		113	66 - 129
1,2-Dichloropropane	20.0	21.9		ug/L		110	72 - 128
1,3,5-Trimethylbenzene	20.0	24.1		ug/L		121	75 - 125
1,3-Dichlorobenzene	20.0	23.4		ug/L		117	80 - 120
1,4-Dichlorobenzene	20.0	22.8		ug/L		114	80 - 120
2-Butanone (MEK)	100	103		ug/L		103	65 - 142
2-Hexanone	100	96.6		ug/L		97	72 - 134
4-Methyl-2-pentanone (MIBK)	100	95.1		ug/L		95	77 - 130
Acetone	100	83.8		ug/L		84	60 - 133
Benzene	20.0	21.5		ug/L		107	71 - 126
Carbon disulfide	20.0	24.5		ug/L		122	35 - 150
Carbon tetrachloride	20.0	26.7	*+	ug/L		134	65 - 131
Chlorobenzene	20.0	22.7		ug/L		113	80 - 120
Chloroethane	20.0	20.2		ug/L		101	54 - 150
Chloroform	20.0	23.4		ug/L		117	78 - 125
Chloromethane	20.0	15.7		ug/L		78	43 - 149
cis-1,2-Dichloroethene	20.0	23.4		ug/L		117	78 - 121
Dichlorodifluoromethane	20.0	19.3		ug/L		97	38 - 144
Ethylbenzene	20.0	23.4		ug/L		117	78 - 120
Methylene Chloride	20.0	23.6		ug/L		118	74 - 127
m-Xylene & p-Xylene	20.0	22.9		ug/L		114	78 - 120
Naphthalene	20.0	23.3		ug/L		117	57 - 146
N-Propylbenzene	20.0	24.3		ug/L		121	68 - 129
o-Xylene	20.0	23.2		ug/L		116	78 - 120
Styrene	20.0	23.7		ug/L		119	82 - 127
Tetrachloroethene	20.0	21.9		ug/L		109	70 - 127
Toluene	20.0	21.1		ug/L		106	78 - 120
trans-1,2-Dichloroethene	20.0	23.6		ug/L		118	70 - 126
Trichloroethene	20.0	23.2		ug/L		116	73 - 121
Trichlorofluoromethane	20.0	23.1		ug/L		115	62 - 134
Vinyl chloride	20.0	20.6		ug/L		103	55 - 144
Xylenes, Total	40.0	46.1		ug/L		115	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 128
Dibromofluoromethane (Surr)	108		77 - 132
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene	100		76 - 120

QC Sample Results

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Lab Sample ID: LCSD 460-1060114/4

Matrix: Water

Analysis Batch: 1060114

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	23.9		ug/L		119	72 - 128	5	30
1,1,2-Trichloroethane	20.0	22.1		ug/L		111	74 - 125	1	30
1,1-Dichloroethane	20.0	22.3		ug/L		111	73 - 130	5	30
1,1-Dichloroethene	20.0	23.4		ug/L		117	68 - 133	5	30
1,2,3-Trichlorobenzene	20.0	22.7		ug/L		114	55 - 150	0	30
1,2,4-Trichlorobenzene	20.0	23.2		ug/L		116	67 - 132	1	30
1,2,4-Trimethylbenzene	20.0	23.6		ug/L		118	75 - 125	2	30
1,2-Dichlorobenzene	20.0	22.5		ug/L		112	80 - 120	0	30
1,2-Dichloroethane	20.0	21.9		ug/L		110	66 - 129	3	30
1,2-Dichloropropane	20.0	21.0		ug/L		105	72 - 128	4	30
1,3,5-Trimethylbenzene	20.0	23.9		ug/L		119	75 - 125	1	30
1,3-Dichlorobenzene	20.0	23.0		ug/L		115	80 - 120	1	30
1,4-Dichlorobenzene	20.0	22.7		ug/L		113	80 - 120	1	30
2-Butanone (MEK)	100	102		ug/L		102	65 - 142	1	30
2-Hexanone	100	98.4		ug/L		98	72 - 134	2	30
4-Methyl-2-pentanone (MIBK)	100	95.3		ug/L		95	77 - 130	0	30
Acetone	100	83.4		ug/L		83	60 - 133	1	30
Benzene	20.0	21.2		ug/L		106	71 - 126	1	30
Carbon disulfide	20.0	23.1		ug/L		116	35 - 150	6	30
Carbon tetrachloride	20.0	25.1		ug/L		126	65 - 131	6	30
Chlorobenzene	20.0	22.2		ug/L		111	80 - 120	2	30
Chloroethane	20.0	18.2		ug/L		91	54 - 150	10	30
Chloroform	20.0	22.4		ug/L		112	78 - 125	4	30
Chloromethane	20.0	15.3		ug/L		76	43 - 149	2	30
cis-1,2-Dichloroethene	20.0	22.5		ug/L		112	78 - 121	4	30
Dichlorodifluoromethane	20.0	18.4		ug/L		92	38 - 144	5	30
Ethylbenzene	20.0	22.8		ug/L		114	78 - 120	3	30
Methylene Chloride	20.0	22.9		ug/L		114	74 - 127	3	30
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 120	4	30
Naphthalene	20.0	23.8		ug/L		119	57 - 146	2	30
N-Propylbenzene	20.0	23.9		ug/L		120	68 - 129	1	30
o-Xylene	20.0	22.6		ug/L		113	78 - 120	3	30
Styrene	20.0	23.1		ug/L		116	82 - 127	3	30
Tetrachloroethene	20.0	22.2		ug/L		111	70 - 127	1	30
Toluene	20.0	20.8		ug/L		104	78 - 120	1	30
trans-1,2-Dichloroethene	20.0	22.5		ug/L		113	70 - 126	5	30
Trichloroethene	20.0	22.5		ug/L		112	73 - 121	3	30
Trichlorofluoromethane	20.0	21.8		ug/L		109	62 - 134	6	30
Vinyl chloride	20.0	19.6		ug/L		98	55 - 144	5	30
Xylenes, Total	40.0	44.7		ug/L		112	80 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 128
Dibromofluoromethane (Surr)	105		77 - 132
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene	100		76 - 120

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QC Association Summary

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

GC/MS VOA

Analysis Batch: 1060114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-232195-1	224 BHR	Total/NA	Water	8260D	
480-232195-2	199 BHR	Total/NA	Water	8260D	
480-232195-3	154 BHR	Total/NA	Water	8260D	
480-232195-4	151 BHR	Total/NA	Water	8260D	
480-232195-5	225 BHR	Total/NA	Water	8260D	
480-232195-6	Trip Blank	Total/NA	Water	8260D	
MB 460-1060114/7	Method Blank	Total/NA	Water	8260D	
LCS 460-1060114/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1060114/4	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: WSP USA Inc
Project/Site: Sarney Farm Superfund Site, Amenia, NY

Job ID: 480-232195-1

Client Sample ID: 224 BHR

Lab Sample ID: 480-232195-1

Date Collected: 08/26/25 14:20

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 10:43

Client Sample ID: 199 BHR

Lab Sample ID: 480-232195-2

Date Collected: 08/26/25 14:35

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 11:06

Client Sample ID: 154 BHR

Lab Sample ID: 480-232195-3

Date Collected: 08/26/25 14:50

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 11:29

Client Sample ID: 151 BHR

Lab Sample ID: 480-232195-4

Date Collected: 08/26/25 15:05

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 11:53

Client Sample ID: 225 BHR

Lab Sample ID: 480-232195-5

Date Collected: 08/26/25 16:20

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 12:16

Client Sample ID: Trip Blank

Lab Sample ID: 480-232195-6

Date Collected: 08/26/25 00:00

Matrix: Water

Date Received: 08/29/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1060114	SZD	EET EDI	09/09/25 09:09

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Laboratory: Eurofins Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0818	09-30-26
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	01-03-26
Illinois	NELAP	2000942025-2	04-30-26
Massachusetts	State	M-NJ312	06-30-26
New Jersey	NELAP	12028	06-30-26
New York	NELAP	11452	04-01-26
Pennsylvania	NELAP	68-00522	02-28-26
Rhode Island	State	LAO00376	12-23-25
USDA	US Federal Programs	525-24-149-77606	05-21-27

Method Summary

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

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

Protocol References:

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: WSP USA Inc

Job ID: 480-232195-1

Project/Site: Sarney Farm Superfund Site, Amenia, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-232195-1	224 BHR	Water	08/26/25 14:20	08/29/25 10:00	New York
480-232195-2	199 BHR	Water	08/26/25 14:35	08/29/25 10:00	New York
480-232195-3	154 BHR	Water	08/26/25 14:50	08/29/25 10:00	New York
480-232195-4	151 BHR	Water	08/26/25 15:05	08/29/25 10:00	New York
480-232195-5	225 BHR	Water	08/26/25 16:20	08/29/25 10:00	New York
480-232195-6	Trip Blank	Water	08/26/25 00:00	08/29/25 10:00	New York

Chain of Custody Record



Client Information					
Sampler:	Joshua Minardi, Area M-11	Lab PM:	Schowe, John R.	Carrier Tracking No(s):	COC No 480-206874-41950.4
Phone:	413-374-3583	E-Mail:	John.Schowe@et.eurofinsus.com	State of Origin:	Page: 4068 1/1
Company:	WSP USA Inc	PWSID:		Job #:	
Due Date Requested:					
TAT Requested (days):					
Compliance Project: Yes / No					
PO #: P100067US022					
WO #: US0035968.4020					
Project #: 48027946					
SSOW#:					
Sample Identification					
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air, DW=Dinking Water)	Preservation Code:	
8/24/25	1420	G	Water		
199 BHR	1435	G	Water		
154 BHR	1450	G	Water		
151 BHR	1505	G	Water		
225 BHR	1620	G	Water		
Trip Blank	-	G	Water		
			Water		
			Water		
			Water		
			Water		
			Water		
			Water		
			Water		
			Water		
Possible Hazard Identification					
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: Ava Kue					
Date/Time:	8/27/25 1700	Company:	wsp	Received by:	sample fridge
Date/Time: 8/28/25 1152 Company: wsp Received by: [Signature]					
Date/Time: [Blank] Company: [Blank] Received by: [Blank]					
Custody Seals Intact: Yes / No					
Custody Seal No.: 310 IPZ HSC ICE					

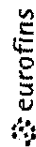
Eurofins Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing



Client Information (Sub Contract Lab)		Sampler	Lab PM:	Carrier Tracking No(s):	COC No:						
Client Contact		N/A	Schrove, John R	N/A	480-94709.1						
Shipping/Receiving		Phone:	E-Mail	State of Origin:	Page:						
Company:		N/A	John.Schrove@eurofins.com	New York	Page 1 of 1						
Address:		Accreditations Required (See note):			Job #:						
Eurofins Environment Testing Northeast L		NELAP New York			480-232195-1						
City:		Due Date Requested:			Preservation Codes:						
Edison		10/6/2025									
State, Zip:		TAT Requested (days):									
NJ 08817		N/A									
Phone:		PO #:									
732-549-3900(Tel) 732-549-3679(Fax)		N/A									
Email:		WFO #:									
N/A		N/A									
Project Name:		Project #:									
Sammy Farm Superfund Site, Amenia, NY		48027946									
Site:		SSOW#:									
N/A		N/A									
Sample Identification	Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Weaver, Sealed, Overhead)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260 LL/5030C Low Level VOCs Site Specific List	Analysis Requested	Total Number of Containers	Special Instructions/Note:
224 BHR (480-232195-1)		8/26/25	14:20 Eastern	G	Water	X	X			3	
199 BHR (480-232195-2)		8/26/25	14:35 Eastern	G	Water	X	X			3	
154 BHR (480-232195-3)		8/26/25	14:50 Eastern	G	Water	X	X			3	
151 BHR (480-232195-4)		8/26/25	15:05 Eastern	G	Water	X	X			3	
225 BHR (480-232195-5)		8/26/25	16:20 Eastern	G	Water	X	X			3	
Trip Blank (480-232195-6)		8/26/25	Eastern	G	Water	X	X			2	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.											
Possible Hazard Identification											
Unconfirmed											
Deliverable Requested: I II III IV Other (specify)											
Primary Deliverable Rank: 2											
Empty Kit Relinquished by:											
Time:											
Date:											
Relinquished by:											
Date/Time:											
Relinquished by:											
Date/Time:											
Relinquished by:											
Date/Time:											
Custody Seals Intact:											
Custody Seal No. 273887u											
Cooler Temperature(s) °C and Other Remarks: 0.8/0.5 STA											

Ver 10/10/2024

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 480-232195-1

Login Number: 232195

List Source: Eurofins Buffalo

List Number: 1

Creator: Stapleton, Kaitlyn

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0 IR#SC ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	WSP USA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: WSP USA Inc

Job Number: 480-232195-1

Login Number: 232195

List Number: 2

Creator: Rivera, Kenneth

List Source: Eurofins Edison

List Creation: 08/30/25 01:50 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2738876
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5°C, IR #9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX B

2021 Data Validation Report

**DATA VALIDATION SUMMARY REPORT
AUGUST 2025 PRIVATE and MONITORING WELL SAMPLING
SARNEY FARM SUPERFUND SITE
AMENIA, NEW YORK**

1.0 INTRODUCTION

Data validation was completed on the private well samples collected in August 2025 at the Sarney Farm Superfund Site in Amenia, New York. Samples were shipped to Eurofins Environmental Testing at laboratories located in Buffalo, New York (TALBFLO), with VOC analyses by SW846 8260D performed by Edison, New Jersey (TA-ED). Results were reported in the following sample delivery group (SDG):

- 480-232195-1
- 480-232200-1

Table 1 includes a list of samples included in this data evaluation. Samples were analyzed for the following analytical parameters using the methods listed in Table 1:

Private Wells

- Volatile Organic Compounds (VOCs) using Method SW846 8260D

Groundwater Monitoring Wells

- Volatile Organic Compounds (VOCs) using Method SW846 8260D
- 1,4-Dioxane using Method SW846 8260C-SIM
- Total and Dissolved Iron by Method SW846 6010D
- Nitrate and Nitrate by Method EPA 353.2
- Sulfide by Method A4500FS2 F
- Sulfate by Method EPA 300.0
- Methane by Method RSK-175
- Total Organic Carbon (TOC) by Method SW846 9060

Data validation was completed based on procedures described in the project quality assurance plan Quality Assurance Project Plan Sarney Farm Superfund Site Benson Hill Road Dover Plains, Dutchess County, New York; October 2023, (MACTEC, 2023) and general procedures described in the U. S. Environmental Protection Agency (USEPA) Region II data validation guidelines (USEPA, 2014). Stage 2A validation was completed for the volatile compounds including 1,4-Dioxane (USEPA, 2009). The monitored natural attenuation parameters (MNA) are reported and checked for completeness but were not validated. Professional judgment was used when evaluating data for the SW846 analytical methods used during this sampling event. Sample event information included in this data validation summary report is presented in the following Tables:

- Table 1 – Summary of Samples and Analytical Methods
- Table 2 – Summary of Analytical Results
- Table 3 – Summary of Qualification Actions

Laboratory deliverables included:

- Chain of custody records
- Sample receipt logs
- Sample results
- Associated quality control (QC) results

The data validation included the following evaluations. QAPP or laboratory limits, as applicable, were used as control limits for data evaluation. The following parameters are reviewed when available for Stage 2A validation:

- Case Narrative and Chain of Custody (COC) Review
- Data Package Completeness
- Holding Times
- Field and Laboratory Blanks
- Laboratory Control Samples (LCS)
- Matrix Spike/Matrix Spike Duplicates (MS/MSD)
- Field Duplicates
- Surrogate Spikes
- Internal Standard Response and Retention Times
- Electronic Data Qualification and Verification

Data qualification actions are applied when necessary, based on general procedures in USEPA validation guidelines and the judgment of the project chemist. The following laboratory or data review qualifiers are used in the final data presentation:

J = concentration is estimated

U = target analyte is not detected at, or above, the reported detection limit

Results are interpreted to be usable as reported by the laboratory. No additional data validation qualifier were applied to results. Therefore, no Table 3 will be presented in this report.

2.0 DATA VALIDATION QUALIFICATION ACTION SUMMARY

Sample results are interpreted to be usable as reported by the laboratory unless discussed in the following sections.

2.1 Private Well Samples

2.1.2 VOCs and 1,4-Dioxane

Data were evaluated based on the following parameters:

- * Case Narrative
- * Data Completeness and Chain of Custody
- * Collection and Preservation Holding Times
- * QC Blanks
- * Instrument Calibration
- * Laboratory Control Samples (LCS)
- * Extracted Internal Standard Recoveries
- * Internal Standard Response
- * Reporting Limits

- * Electronic Data Verification
- * QC criteria were met for this parameter

Data Completeness and Chain of Custody

All requested analyses were performed as requested. No comments.

LCS

All LCS recoveries met programmatic criteria. No comments.

QC Blanks

No method blank issues.

SDG 480-232195-1

Chloroform was detected in Trip Blank at 0.41 ug/L. All associated samples were non-detects for chloroform. No qualifier required.

SDG 480-232200-1

Chloroform was detected in Trip Blank (0.42 ug/L), EB-01 (0.51 ug/L), and FB-01 (0.51 ug/L). All associated samples were non-detects for chloroform. No qualifier required.

Matrix Spike

Sample MW-7D-D was submitted and analyzed as a matrix spike and matrix spike duplicate (MS/MSD) for this round of sampling. All recoveries met programmatic criteria. No comments.

Reference:

AMEC E&E, 2017. "Quality Assurance Project Plan Sarney Farm Superfund Site Benson Hill Road Dover Plains, Dutchess County, New York;" AMEC E&E, October 2016, Revised February 2017, Revised July 2017.

U.S. Environmental Protection Agency (USEPA), 2009. "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use"; Office of Solid Waste and Emergency Response; EPA-540-R-08-005; January 2009.

USEPA Region 2, 2014. "Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) SW-846 Method 8260B and 8260C"; SOP # HW-24, Revision 4, Hazardous Waste Support Branch; September 2014.

Validation completed by: Tara LePage

A handwritten signature in dark ink, reading "Tara LePage" in a cursive script.

October 7, 2025

Senior Review: Gregory Lull

A handwritten signature in dark ink, consisting of stylized initials "GL" followed by a horizontal flourish.

October 7, 2025

TABLE 1 - SUMMARY OF SAMPLES and ANALYTICAL METHODS
DATA VALIDATION SUMMARY REPORT
AUGUST 2025 PRIVATE and MONITORING WELL SAMPLING
SARNEY FARM SUPERFUND SITE
AMENIA, NEW YORK

Lab SDG	Media	Location	Field Sample ID	Sample Date	Lab Sample ID	Lab Id Method Class Analysis Method Fraction Qc Code	TA-ED	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO	TALBFLO
							VOCs SW8260D N Parameters	Metals SW6010D D Parameters	Metals SW6010D T Parameters	Anions A4500F N Parameters	Anions E300.0 N Parameters	Diss Gasses RSK175 N Parameters	Nitrate_Nitrite E353.2 N Parameters	TOC SW9060 T Parameters	VOC SIM SW8260C-SIM N Parameters
480-232195-1	TW	151 BHR	151 BHR	8/26/2025	480-232195-4	FS	40								
480-232195-1	TW	154 BHR	154 BHR	8/26/2025	480-232195-3	FS	40								
480-232195-1	TW	199 BHR	199 BHR	8/26/2025	480-232195-2	FS	40								
480-232195-1	TW	224 BHR	224 BHR	8/26/2025	480-232195-1	FS	40								
480-232195-1	TW	225 BHR	225 BHR	8/26/2025	480-232195-5	FS	40								
480-232195-1	BW	QC	Trip Blank	8/26/2025	480-232195-6	TB	40								
480-232200-1	GW	MW-10D-1	MW-10D-1	8/26/2025	480-232200-1	FS	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-10D-2	MW-10D-2	8/26/2025	480-232200-2	FS	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-10D-3	MW-10D-3	8/26/2025	480-232200-3	FS	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-7D-D	MW-7D-D	8/27/2025	480-232200-5	FS	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-7D-D	MW-7D-D DUP	8/27/2025	480-232200-6	FD	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-7D-S	MW-7D-S	8/27/2025	480-232200-4	FS	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-9D-1	MW-9D-1	8/27/2025	480-232200-7	FS	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-9D-2	MW-9D-2	8/27/2025	480-232200-8	FS	40	1	1	1	1	1	1	1	1
480-232200-1	GW	MW-9D-3	MW-9D-3	8/27/2025	480-232200-9	FS	40	1	1	1	1	1	1	1	1
480-232200-1	BW	QC	EB-01	8/27/2025	480-232200-10	EB	40								1
480-232200-1	BW	QC	FB-01	8/28/2025	480-232200-11	FB	40								1
480-232200-1	BW	QC	Trip Blank	8/26/2025	480-232200-12	TB	40								1

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA VALIDATION SUMMARY REPORT
AUGUST 2025 PRIVATE and MONITORING WELL SAMPLING
SARNEY FARM SUPERFUND SITE
AMENIA, NEW YORK

Location						151 BHR		154 BHR		199 BHR		224 BHR		225 BHR		MW-10D-1		MW-10D-2	
Lab Sample Delivery Group						480-232195-1		480-232195-1		480-232195-1		480-232195-1		480-232195-1		480-232200-1		480-232200-1	
Field Sample Date						8/26/2025 15:05		8/26/2025 14:50		8/26/2025 14:35		8/26/2025 14:20		8/26/2025 16:20		8/26/2025 10:55		8/26/2025 12:00	
Field Sample Id						151 BHR		154 BHR		199 BHR		224 BHR		225 BHR		MW-10D-1		MW-10D-2	
Qc Code						FS		FS		FS		FS		FS		FS		FS	
Matrix	Method Class	Analysis Method	Fraction	Parameter	Units	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
L	VOCs	SW8260D	N	1,1,1-Trichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1,2-Trichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1-Dichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,3-Trichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,4-Trichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,4-Trimethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2-Dichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	17		23	
L	VOCs	SW8260D	N	1,2-Dichloropropane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,3,5-Trimethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,3-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,4-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	2-Butanone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
L	VOCs	SW8260D	N	2-Hexanone	UG/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260D	N	4-Methyl-2-pentanone	UG/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260D	N	Acetone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
L	VOCs	SW8260D	N	Benzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.13	J	0.5	U
L	VOCs	SW8260D	N	Carbon disulfide	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260D	N	Carbon tetrachloride	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloroform	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	cis-1,2-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.82		0.54	
L	VOCs	SW8260D	N	Dichlorodifluoromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Ethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Methylene chloride	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260D	N	Naphthalene	UG/L	3	U	3	U	3	U	3	U	3	U	3	U	3	U
L	VOCs	SW8260D	N	Propylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Styrene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Tetrachloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Toluene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	trans-1,2-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Trichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Trichlorofluoromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Vinyl chloride	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylene, o	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylenes (m&p)	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylenes, Total	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
L	Anions	A4500F	N	Sulfide	MG/L											1	U	1	U
L	Anions	E300.0	N	Sulfate	MG/L											16.8		24.6	
L	Diss Gasses	RSK175	N	Methane	UG/L											240		1.2	J
L	Metals	SW6010D	D	Iron	MG/L											0.2		0.05	
L	Metals	SW6010D	T	Iron	MG/L											0.13		0.058	
L	Nitrate_Nitrite	E353.2	N	Nitrate+Nitrite as N	MG/L											0.05	U	0.05	U
L	TOC	SW9060	T	Total Organic Carbon	MG/L											0.64	J	1	U
L	VOC SIM	SW8260C-SIM	N	1,4-Dioxane	UG/L											1.6	U	1.6	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA VALIDATION SUMMARY REPORT
AUGUST 2025 PRIVATE and MONITORING WELL SAMPLING
SARNEY FARM SUPERFUND SITE
AMENIA, NEW YORK

Location						MW-10D-3		MW-7D-D		MW-7D-D		MW-7D-S		MW-9D-1		MW-9D-2		MW-9D-3	
Lab Sample Delivery Group						480-232200-1		480-232200-1		480-232200-1		480-232200-1		480-232200-1		480-232200-1		480-232200-1	
Field Sample Date						8/26/2025 13:10		8/27/2025 10:25		8/27/2025 10:25		8/27/2025 12:25		8/27/2025 10:25		8/27/2025 12:10		8/27/2025 13:15	
Field Sample Id						MW-10D-3		MW-7D-D		MW-7D-D DUP		MW-7D-S		MW-9D-1		MW-9D-2		MW-9D-3	
Qc Code						FS		FS		FD		FS		FS		FS		FS	
Matrix	Method Class	Analysis Method	Fraction	Parameter	Units	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
L	VOCs	SW8260D	N	1,1,1-Trichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1,2-Trichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1-Dichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.29	J	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,3-Trichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,4-Trichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,4-Trimethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2-Dichloroethane	UG/L	0.54		25		26		55		45		41		46	
L	VOCs	SW8260D	N	1,2-Dichloropropane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,3,5-Trimethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,3-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,4-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	2-Butanone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
L	VOCs	SW8260D	N	2-Hexanone	UG/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260D	N	4-Methyl-2-pentanone	UG/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260D	N	Acetone	UG/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U
L	VOCs	SW8260D	N	Benzene	UG/L	0.5	U	0.35	J	0.38	J	0.63		2.9		0.89		0.49	J
L	VOCs	SW8260D	N	Carbon disulfide	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260D	N	Carbon tetrachloride	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloroform	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	cis-1,2-Dichloroethene	UG/L	0.5	U	2.5		2.4		8		4.7		4.9		4	
L	VOCs	SW8260D	N	Dichlorodifluoromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Ethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Methylene chloride	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
L	VOCs	SW8260D	N	Naphthalene	UG/L	3	U	3	U	3	U	3	U	3	U	3	U	3	U
L	VOCs	SW8260D	N	Propylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Styrene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Tetrachloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.28	J
L	VOCs	SW8260D	N	Toluene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	trans-1,2-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Trichloroethene	UG/L	0.56		0.6		0.55		1.9		0.5	U	0.82		3.2	
L	VOCs	SW8260D	N	Trichlorofluoromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Vinyl chloride	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylene, o	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylenes (m&p)	UG/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylenes, Total	UG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
L	Anions	A4500F	N	Sulfide	MG/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U
L	Anions	E300.0	N	Sulfate	MG/L	14.9		26.5		25.8		28		21		28.6		25.1	
L	Diss Gasses	RSK175	N	Methane	UG/L	4	U	56		69		1.4	J	39		14		2.2	J
L	Metals	SW6010D	D	Iron	MG/L	0.3		0.23		0.22		0.26		0.25		0.67		0.86	
L	Metals	SW6010D	T	Iron	MG/L	1.8		0.22		0.23		0.45		0.29		0.74		1.1	
L	Nitrate_Nitrite	E353.2	N	Nitrate+Nitrite as N	MG/L	0.042	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
L	TOC	SW9060	T	Total Organic Carbon	MG/L	0.5	J	1	U	1	U	0.51	J	0.88	J	0.47	J	0.47	J
L	VOC SIM	SW8260C-SIM	N	1,4-Dioxane	UG/L	1.6	U	3.7		4		1.4	J	8		5.7		1.6	U

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS
DATA VALIDATION SUMMARY REPORT
AUGUST 2025 PRIVATE and MONITORING WELL SAMPLING
SARNEY FARM SUPERFUND SITE
AMENIA, NEW YORK

Location Lab Sample Delivery Group Field Sample Date Field Sample Id Qc Code						QC 480-232195-1 8/26/2025 0:00 Trip Blank TB		QC 480-232200-1 8/26/2025 0:00 Trip Blank TB		QC 480-232200-1 8/27/2025 14:00 EB-01 EB		QC 480-232200-1 8/28/2025 9:00 FB-01 FB	
Matrix	Method Class	Analysis Method	Fraction	Parameter	Units	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
L	VOCs	SW8260D	N	1,1,1-Trichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1,2-Trichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1-Dichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,1-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,3-Trichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,4-Trichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2,4-Trimethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2-Dichloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,2-Dichloropropane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,3,5-Trimethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,3-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	1,4-Dichlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	2-Butanone	UG/L	5	U	5	U	5	U	5	U
L	VOCs	SW8260D	N	2-Hexanone	UG/L	2.5	U	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260D	N	4-Methyl-2-pentanone	UG/L	2.5	U	2.5	U	2.5	U	2.5	U
L	VOCs	SW8260D	N	Acetone	UG/L	5	U	5	U	5	U	5	U
L	VOCs	SW8260D	N	Benzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Carbon disulfide	UG/L	1	U	1	U	1	U	1	U
L	VOCs	SW8260D	N	Carbon tetrachloride	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chlorobenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloroethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Chloroform	UG/L	0.41	J	0.42	J	0.51		0.51	
L	VOCs	SW8260D	N	Chloromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	cis-1,2-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Dichlorodifluoromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Ethylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Methylene chloride	UG/L	1	U	1	U	1	U	1	U
L	VOCs	SW8260D	N	Naphthalene	UG/L	3	U	3	U	3	U	3	U
L	VOCs	SW8260D	N	Propylbenzene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Styrene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Tetrachloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Toluene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	trans-1,2-Dichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Trichloroethene	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Trichlorofluoromethane	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Vinyl chloride	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylene, o	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylenes (m&p)	UG/L	0.5	U	0.5	U	0.5	U	0.5	U
L	VOCs	SW8260D	N	Xylenes, Total	UG/L	1	U	1	U	1	U	1	U
L	Anions	A4500F	N	Sulfide	MG/L								
L	Anions	E300.0	N	Sulfate	MG/L								
L	Diss Gasses	RSK175	N	Methane	UG/L								
L	Metals	SW6010D	D	Iron	MG/L								
L	Metals	SW6010D	T	Iron	MG/L								
L	Nitrate_Nitrite	E353.2	N	Nitrate+Nitrite as N	MG/L								
L	TOC	SW9060	T	Total Organic Carbon	MG/L								
L	VOC SIM	SW8260C-SIM	N	1,4-Dioxane	UG/L			1.6	U	1.6	U	1.6	U

Standard Table Notes:

Sample Type (QC Code)

FS – field sample
FD – field duplicate
TB – trip blank
EB – equipment blank
FB – field blank

Matrix

GW – ground water
BW – blank water
TW – tap water
SV – soil vapor
SED - sediment

Units

mg/L – milligrams per liter
ng/L – nanograms per liter
µg/L – micrograms per liter
mg/kg – milligrams per kilogram
µg/kg – micrograms per kilogram
µg/m³ – micrograms per cubic meter

Qualifiers

U – not detected above quantitation limit
J – estimated quantity
J+ - estimated quantity, biased high
J- - estimated quantity, biased low
R – data unusable

Fraction

T – total
D – dissolved
N – normal

Qualification Reason Codes

BL1 – method blank qualifier
BL2 – field or trip blank qualifier
CCV – continuing calibration verification recovery outside limits
CCV%D – continuing calibration verification percent difference exceeds goal
CCVRRF – continuing calibration relative response factor low
CI – chromatographic interference present
DCPD – dual column percent difference exceeds limit
E – result exceeds calibration range

EIS – Extracted internal standard recovery outside limits
FD – field duplicate precision goal exceeded
FP – false positive interference
HT – holding time for prep or analysis exceeded
HTG – holding time for prep or analysis grossly exceeded

IR – Qualifier ion ratio outside limits
ICV – initial calibration verification recovery outside limit
ICVRRF – initial calibration verification relative response factor low

ICVRSD – initial calibration verification % relative standard deviation exceeds goal

ISH – internal standard response greater than limit
ISL – internal standard response less than limit
LCSH – laboratory control sample recovery high
LCSL – laboratory control sample recovery low

LCSRPD – laboratory control sample/duplicate relative % difference precision goal exceeded

LD – lab duplicate precision goal exceeded
MSH – matrix spike and/or MS duplicate recovery high
MSL – matrix spike and/or MS duplicate recovery low
MSRPD – matrix spike/duplicate relative % difference precision goal exceeded
N – analyte identification is not certain
PEM – performance evaluation mixture exceeds limit
PM – sample percent moisture exceeds EPA guideline

RFL – Qualifier ion signal to noise ratio less than limit
SD – serial dilution result exceeds percent difference limit
SP – sample preservation/collection does not meet method requirement

SSH – surrogate recovery high
SSL – surrogate recovery low
TD – dissolved concentration exceeds total

APPENDIX C

Historic Summary of Detected VOCs in Bedrock Wells

Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-7D 05/28/97 50 ft.	MW-7D 08/06/97 50 ft.	MW-7DD 08/06/97 89 ft.	MW-7D-D 9/15/1999 72 - 101 ft.	MW-7D-D-DUP 9/15/1999 72 - 101 ft.	MW-7D-D 11/16/1999 72 - 101 ft.	MW-7D-D 5/25/2000 72 - 101 ft.	MW-7D-D 11/14/2000 72 - 101 ft.	MW-7D-D-DP 11/14/2000 72 - 101 ft.	MW-7D-D 6/19/2001 72 - 101 ft.	MW-7D-DUP 6/19/2001 72 - 101 ft.	MW-7D-D 12/12/2001 72 - 101 ft.	MW-7D-DUP 12/12/2001 72 - 101 ft.
Analyte (ug/L)															
Chloromethane		5			9										
Vinyl Chloride	2	2													
Chloroethane		5													
Methylene Chloride	5	5	25					0.5 J							
Acetone		50				3 J	5 J								4 J
Carbon Disulfide		60													
1,1-Dichloroethene	7	5													
1,1-Dichloroethane		5	46			4 J	4 J	4.1	3 J	3 J	2 J	3 J	3 J	2 J	2 J
Chloroform		7													
1,2-Dichloroethane	5	0.6	6400	760	910	640 D	680 D	600 D	490	600	540	460	490	510	520
2-Butanone		50													
1,1,1-Trichloroethane	200	5													
Carbon Tetrachloride	5	5													
1,2-Dichloropropane	5	1													
Trichloroethene	5	5	16			2 J	3 J	3.3	2 J	3 J	3 J	2 J	2 J	2 J	2 J
Benzene	5	1	100	17	17	14	15	14	11	12	12	11	10	8 J	8 J
4-Methyl-2-Pentanone		5													
2-Hexanone		50													
Tetrachloroethene	5	5													
Toluene	1000	5													
Chlorobenzene	100	5													
Ethylbenzene	700	5													
Styrene	100	5													
P & M Xylenes		5													
O Xylene		5													
Xylenes (total)	10000	5													
1,1,2-Trichloroethane	5	1													
Dichlorodifluoromethane		5													
Trichlorofluoromethane		5													
cis-1,2-Dichloroethene	70	5				31	33	47 JD	36	41	40	35	34	32	31
trans-1,2-Dichloroethene	100	5	140	16	27										
N-Propylbenzene		5													
1,3,5-Trimethylbenzene		5													
1,2,4-Trimethylbenzene		5													
1,3-Dichlorobenzene		3													
1,4-Dichlorobenzene	75	3													
1,2-Dichlorobenzene	600	3													
1,2,4-Trichlorobenzene	70	5													
Naphthalene		10													
1,2,3-Trichlorobenzene		5													
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
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Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-7D-D 6/20/2002 72 - 101 ft.	MW-7D-DUP 6/20/2002 72 - 101 ft.	MW-7D 7/24/2003 72 - 101 ft.	MW-7D-DUP 7/24/2003 72 - 101 ft.	MW-7D 7/13/2004 72 - 101 ft.	MW-7D-DUP 7/13/2004 72 - 101 ft.	MW-7D-D 8/10/2005 72 - 101 ft.	MW-7D-D-DP 8/10/2005 72 - 101 ft.	MW-7D-D 7/25/2006 72 - 101 ft.	MW-7D-D-DP 7/25/2006 72 - 101 ft.	MW-7D-D 7/18/2007 72 - 101 ft.	MW-7D-D 9/3/2008 72 - 101 ft.	MW-7D-D-DP 9/3/2008 72 - 101 ft.
Analyte (ug/L)															
Chloromethane		5													
Vinyl Chloride	2	2													
Chloroethane		5													
Methylene Chloride	5	5													
Acetone		50													
Carbon Disulfide		60													
1,1-Dichloroethene	7	5													
1,1-Dichloroethane		5	3 J	3 J	2 J	1 J	1 J	1 J	1 J	1 J	1 J	1 J	1.2 J	0.76 J	0.74 J
Chloroform		7													
1,2-Dichloroethane	5	0.6	380	360	250	250	290 J	280 J	290	270	190	190	130	150	160
2-Butanone		50													
1,1,1-Trichloroethane	200	5													
Carbon Tetrachloride	5	5													
1,2-Dichloropropane	5	1													
Trichloroethene	5	5	3 J	3 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	2 J	1.8 J	1.5 J	1.6 J
Benzene	5	1	11	12	5 J	5 J			7 J	7 J	5 J	5 J	3.7 J	4.8 J	5.1 J
4-Methyl-2-Pentanone		5													
2-Hexanone		50													
Tetrachloroethene	5	5													
Toluene	1000	5													
Chlorobenzene	100	5													
Ethylbenzene	700	5													
Styrene	100	5													
P & M Xylenes		5													
O Xylene		5													
Xylenes (total)	10000	5													
1,1,2-Trichloroethane	5	1													
Dichlorodifluoromethane		5													
Trichlorofluoromethane		5													
cis-1,2-Dichloroethene	70	5	37	38	30	30	34 J	32 J	32	32	27	26	20	22	24
trans-1,2-Dichloroethene	100	5						3 J							
N-Propylbenzene		5													
1,3,5-Trimethylbenzene		5													
1,2,4-Trimethylbenzene		5													
1,3-Dichlorobenzene		3													
1,4-Dichlorobenzene	75	3													
1,2-Dichlorobenzene	600	3													
1,2,4-Trichlorobenzene	70	5													
Naphthalene		10													
1,2,3-Trichlorobenzene		5													
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--	--	--	--	--

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Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-7D-D 8/18/2009 72-101 ft.	MW-7D-D-DP 8/18/2009 72-101 ft.	MW-7D-D 08/24/10 72-101 ft.	MW-7D-DUP 08/24/10 72-101 ft.	MW-7D-D 08/23/11 72-101 ft.	MW-7D-DUP 08/23/11 72-101 ft.	MW-7D-D 08/28/12 72-101 ft.	MW-7D-DUP 08/28/12 72-101 ft.	MW-7D-D 08/21/13 72-101 ft.	MW-7D-DUP 08/21/13 72-101 ft.	MW-7D-D 08/19/14 72-101 ft.	MW-7D-DUP 08/19/14 72-101 ft.	MW-7D-D 08/19/15 72-101 ft.
Analyte (ug/L)															
Chloromethane		5													
Vinyl Chloride	2	2													
Chloroethane		5	0.14 J												
Methylene Chloride	5	5													
Acetone		50													
Carbon Disulfide		60													
1,1-Dichloroethene	7	5													
1,1-Dichloroethane		5	0.71 J	0.71 J	0.6 J	0.61 J	0.47 J	0.48 J	0.54 J	0.59 J					
Chloroform		7													
1,2-Dichloroethane	5	0.6	80	82	60	60	48	50	130 J	130 J	86	81	78	78	79 J
2-Butanone		50													
1,1,1-Trichloroethane	200	5													
Carbon Tetrachloride	5	5													
1,2-Dichloropropane	5	1													
Trichloroethene	5	5	0.82 J	0.85 J	0.51 J	0.53 J				1.6 J					
Benzene	5	1			0.23 J	0.24 J			5.3	5.4					
4-Methyl-2-Pentanone		5													
2-Hexanone		50													
Tetrachloroethene	5	5	0.11 J												
Toluene	1000	5													
Chlorobenzene	100	5													
Ethylbenzene	700	5													
Styrene	100	5													
P & M Xylenes		5													
O Xylene		5													
Xylenes (total)	10000	5													
1,1,2-Trichloroethane	5	1													
Dichlorodifluoromethane		5													
Trichlorofluoromethane		5													
cis-1,2-Dichloroethene	70	5	6 J	5.8 J	3.6 J	3.6 J	2.9	2.8	10	11	9.5	9.2	6.5	6.3	5.5
trans-1,2-Dichloroethene	100	5	0.56 J	0.47 J											
N-Propylbenzene		5													
1,3,5-Trimethylbenzene		5													
1,2,4-Trimethylbenzene		5													
1,3-Dichlorobenzene		3													
1,4-Dichlorobenzene	75	3													
1,2-Dichlorobenzene	600	3													
1,2,4-Trichlorobenzene	70	5													
Naphthalene		10													
1,2,3-Trichlorobenzene		5													
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--	--	--	--	--

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Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-7D-DUP 08/19/15 72-101 ft.	MW-7D-D 08/23/16 72-101 ft.	MW-7D-DUP 08/23/16 72-101 ft.	MW-7D-D 08/22/17 72-101 ft.	MW-7D-DUP 08/22/17 72-101 ft.	MW-7D-D 08/28/18 72-101 ft.	MW-7D-DUP 08/28/18 72-101 ft.	MW-7D-D 08/20/19 72-101 ft.	MW-7D-DUP 08/20/19 72-101 ft.	MW-7D-D 10/07/20 72-101 ft.	MW-7D-DUP 10/07/20 72-101 ft.	MW-7D-D 12/01/21 72-101 ft.	MW-7D-DDUP 12/01/21 72-101 ft.		
Analyte (ug/L)																	
Chloromethane		5															
Vinyl Chloride	2	2															
Chloroethane		5															
Methylene Chloride	5	5															
Acetone		50															
Carbon Disulfide		60															
1,1-Dichloroethene	7	5															
1,1-Dichloroethane		5				0.50	0.39	0.37	J	0.4	J	0.3	J	0.28	J		
Chloroform		7															
1,2-Dichloroethane	5	0.6	81 J	75	79	72	J	58 J	35	36	36	37	35	36	31	29	
2-Butanone		50															
1,1,1-Trichloroethane	200	5															
Carbon Tetrachloride	5	5															
1,2-Dichloropropane	5	1															
Trichloroethene	5	5		1.2	1.2	1.3	0.94	0.60	0.61	0.44	J	0.43		0.51			
Benzene	5	1				0.94	0.63	0.48	J	0.47	J	0.33	0.36	0.33	J	0.37	J
4-Methyl-2-Pentanone		5															
2-Hexanone		50															
Tetrachloroethene	5	5															
Toluene	1000	5															
Chlorobenzene	100	5															
Ethylbenzene	700	5															
Styrene	100	5															
P & M Xylenes		5															
O Xylene		5															
Xylenes (total)	10000	5															
1,1,2-Trichloroethane	5	1															
Dichlorodifluoromethane		5															
Trichlorofluoromethane		5															
cis-1,2-Dichloroethene	70	5	5.6	7.3	7.7	6.2	4.1	2.5	2.6	2.9	3.1	2	1.9	2.7	1.8		
trans-1,2-Dichloroethene	100	5															
N-Propylbenzene		5															
1,3,5-Trimethylbenzene		5															
1,2,4-Trimethylbenzene		5															
1,3-Dichlorobenzene		3															
1,4-Dichlorobenzene	75	3															
1,2-Dichlorobenzene	600	3															
1,2,4-Trichlorobenzene	70	5															
Naphthalene		10															
1,2,3-Trichlorobenzene		5															
1,4-Dioxane		1	--	--	--	2.4	J	4.2	J	5.8	5.6	--	--	--	6.8	6.6	

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1997 THROUGH 2023 SAMPLING EVENTS

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Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-7D-D 08/25/22 72-101 ft.	MW-7D-DDUP 08/25/22 72-101 ft.	MW-7D-D 08/23/23 72-101 ft.	MW-7D-DDUP 08/23/23 72-101 ft.	MW-7D-D 08/27/25 72-101 ft.	MW-7D-DDUP 08/27/25 72-101 ft.	MW-7D-S 11/16/1999 39 - 72 ft.	MW-7D-S-DUP 11/16/1999 39 - 72 ft.	MW-7D-S 5/25/2000 39 - 72 ft.	MW-7D-S 11/14/2000 39 - 72 ft.	MW-7D-S 6/19/2001 39 - 72 ft.	MW-7D-S 12/12/2001 39 - 72 ft.	MW-7D-S 6/20/2002 39 - 72 ft.	MW-7D-S 7/24/2003 39 - 72 ft.	MW-7D-S 7/13/2004 39 - 72 ft.	MW-7D-S 8/10/2005 39 - 72 ft.	MW-7D-S 7/25/2006 39 - 72 ft.
Analyte (ug/L)																			
Chloromethane		5																	
Vinyl Chloride	2	2																	
Chloroethane		5																	
Methylene Chloride	5	5																	
Acetone		50												3 J					
Carbon Disulfide		60																	
1,1-Dichloroethene	7	5																	
1,1-Dichloroethane		5		0.28 J		0.28 J			3.6	3.6	6 J	5 J	4 J	3 J	5 J		2 J		0.5 J
Chloroform		7																	
1,2-Dichloroethane	5	0.6	31	36	47	47	25	26	390 D	410 D	250	280	190	340	170	2 J	2 J	1 J	8 J
2-Butanone		50																	
1,1,1-Trichloroethane	200	5																	
Carbon Tetrachloride	5	5																	
1,2-Dichloropropane	5	1																	
Trichloroethene	5	5	0.51	0.55	1.6	1.6	0.6	0.55	4.6	4	4 J	2 J	1 J	2 J	2 J		1 J		0.6 J
Benzene	5	1	0.33 J	0.33 J	0.83	0.84	0.35 J	0.38 J	12	10	12	12	9 J D	8 J	9 J				
4-Methyl-2-Pentanone		5																	
2-Hexanone		50																	
Tetrachloroethene	5	5																	
Toluene	1000	5																	
Chlorobenzene	100	5																	
Ethylbenzene	700	5																	
Styrene	100	5																	
P & M Xylenes		5																	
O Xylene		5																	
Xylenes (total)	10000	5																	
1,1,2-Trichloroethane	5	1																	
Dichlorodifluoromethane		5																	
Trichlorofluoromethane		5																	
cis-1,2-Dichloroethene	70	5	2.7	2.7	6.7	7	2.5	2.4	45 JD	44 JD	31	16	9 J	19 J	13	3 J	11 J	4 J	7 J
trans-1,2-Dichloroethene	100	5																	
N-Propylbenzene		5																	
1,3,5-Trimethylbenzene		5																	
1,2,4-Trimethylbenzene		5																	
1,3-Dichlorobenzene		3																	
1,4-Dichlorobenzene	75	3																	
1,2-Dichlorobenzene	600	3																	
1,2,4-Trichlorobenzene	70	5																	
Naphthalene		10																	
1,2,3-Trichlorobenzene		5																	
1,4-Dioxane		1	6.3	5.9	1.7	2	0.6	0.55	--	--	--	--	--	--	--	--	--	--	--

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Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-7D-S 7/17/2007 39 - 72 ft.	MW-7D-S/DP 7/17/2007 39 - 72 ft.	MW-7D-S 9/3/2008 39 - 72 ft.	MW-7D-S 8/18/2009 39 - 72 ft.	MW-7D-S 08/24/10 39 - 72 ft.	MW-7D-S 08/23/11 39 - 72 ft.	MW-7D-S 08/28/12 39 - 72 ft.	MW-7D-S 08/21/13 39 - 72 ft.	MW-7D-S 08/19/14 39 - 72 ft.	MW-7D-S 08/19/15 39 - 72 ft.	MW-7D-S 08/23/16 39 - 72 ft.	MW-7D-S 08/22/17 39 - 72 ft.	MW-7D-S 08/28/18 39 - 72 ft.	MW-7D-S 08/20/19 39 - 72 ft.
Analyte (ug/L)																
Chloromethane		5														
Vinyl Chloride	2	2														
Chloroethane		5				0.15	J									
Methylene Chloride	5	5														
Acetone		50														
Carbon Disulfide		60														
1,1-Dichloroethene	7	5	0.12	J	0.1	J	0.1	J	0.32	J	0.29	J				
1,1-Dichloroethane		5	2.2		2.2		1.4	J	2	J	1.7	J	0.5	J	0.55	J
Chloroform		7														
1,2-Dichloroethane	5	0.6	110		120		110		110		130		100		44	
2-Butanone		50														
1,1,1-Trichloroethane	200	5														
Carbon Tetrachloride	5	5														
1,2-Dichloropropane	5	1														
Trichloroethene	5	5	1.5	J	1.6	J	1.4	J	1.6	J	1.4	J	2.4		1.7	
Benzene	5	1	1.3	J	1.4	J	2.2	J	2.6	J	0.28	J	3.4			
4-Methyl-2-Pentanone		5														
2-Hexanone		50														
Tetrachloroethene	5	5														
Toluene	1000	5														
Chlorobenzene	100	5														
Ethylbenzene	700	5														
Styrene	100	5														
P & M Xylenes		5														
O Xylene		5														
Xylenes (total)	10000	5														
1,1,2-Trichloroethane	5	1														
Dichlorodifluoromethane		5														
Trichlorofluoromethane		5														
cis-1,2-Dichloroethene	70	5	9.5	J	9.5	J	12		8.3	J	7.7	J	20		7.6	
trans-1,2-Dichloroethene	100	5							0.13	J						
N-Propylbenzene		5														
1,3,5-Trimethylbenzene		5														
1,2,4-Trimethylbenzene		5														
1,3-Dichlorobenzene		3														
1,4-Dichlorobenzene	75	3														
1,2-Dichlorobenzene	600	3														
1,2,4-Trichlorobenzene	70	5														
Naphthalene		10														
1,2,3-Trichlorobenzene		5														
1,4-Dioxane		1	--		--		--		--		--		--		--	

Notes:
1997 and Sept. 1999 data have NOT been validated.
Bold/Shaded = Exceedance of the applicable EPA MCL
Most recent sampling events are blue shaded columns
MCL = Maximum Contaminant Level

ft. = foot
USEPA = U.S Enviromental Protection Agency
NYSDEC = New York State Department of Environmental Conserv

Data Qualifiers:
B = Analyte detected in blank.
D = Value obtained through secondary dilution.
E = Value exceeded instrument calibration range.
J = Indicates an estimated value.
Blank = Not detected.; -- = not analyzed

Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-7D-S 10/07/20 39 - 72 ft.	MW-7D-S 12/01/21 39 - 72 ft.	MW-7D-S 08/25/22 39 - 72 ft.	MW-7D-S 08/23/23 39 - 72 ft.	MW-7D-S 08/27/25 39 - 72 ft.	MW-9D-1 11/15/99 102 - 147 ft.	MW-9D-1 05/24/00 102 - 147 ft.	MW-9D-1 11/14/00 102 - 147 ft.	MW-9D-1 06/19/01 102 - 147 ft.	MW-9D-1 12/12/01 102 - 147 ft.	MW-9D-1 06/20/02 102 - 147 ft.	MW-9D-1 07/24/03 102 - 147 ft.	MW-9D-1 07/13/04 102 - 147 ft.	MW-9D-1 08/10/05 102 - 147 ft.
Analyte (ug/L)																
Chloromethane		5														
Vinyl Chloride	2	2														
Chloroethane		5														
Methylene Chloride	5	5						1.1 J								
Acetone		50										3 J				
Carbon Disulfide		60														
1,1-Dichloroethene	7	5														
1,1-Dichloroethane		5	0.3		0.34 J		0.29 J	3.3	2 J	2 J	1 J	1 J	2 J	1 J	0.9 J	
Chloroform		7														2 J
1,2-Dichloroethane	5	0.6	49	48	50	28	55	400 D	320	290	240	200	160	200	150 J	93
2-Butanone		50														
1,1,1-Trichloroethane	200	5														
Carbon Tetrachloride	5	5														
1,2-Dichloropropane	5	1														
Trichloroethene	5	5	1.2	1.6	1.4	0.65	1.9	2.8	1 J	1 J		1 J	2 J	2 J	2 J	
Benzene	5	1	0.66	0.92	0.64	0.45	0.63	15	10 J	9 J	8 J	7 J	7 J	7 J		4 J
4-Methyl-2-Pentanone		5														
2-Hexanone		50														
Tetrachloroethene	5	5														
Toluene	1000	5														
Chlorobenzene	100	5														
Ethylbenzene	700	5														
Styrene	100	5														
P & M Xylenes		5														
O Xylene		5														
Xylenes (total)	10000	5														
1,1,2-Trichloroethane	5	1														
Dichlorodifluoromethane		5														
Trichlorofluoromethane		5														
cis-1,2-Dichloroethene	70	5	6.2	7.2	6.5	2.9	8.0	24	16	13	10	13	13	16	12 J	7 J
trans-1,2-Dichloroethene	100	5														
N-Propylbenzene		5														
1,3,5-Trimethylbenzene		5														
1,2,4-Trimethylbenzene		5														
1,3-Dichlorobenzene		3														
1,4-Dichlorobenzene	75	3														
1,2-Dichlorobenzene	600	3														
1,2,4-Trichlorobenzene	70	5														
Naphthalene		10														
1,2,3-Trichlorobenzene		5														
1,4-Dioxane		1	--	1.6	2.6	4.7	1.4 J	--	--	--	--	--	--	--	--	--

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Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-9D-1 07/25/06 102 - 147 ft.	MW-9D-1 07/17/07 102 - 147 ft.	MW-9D-1 09/04/08 102 - 147 ft.	MW-9D-1 08/18/09 102 - 147 ft.	MW-9D-1 08/24/10 102 - 147 ft.	MW-9D-1 08/23/11 102 - 147 ft.	MW-9D-1 08/28/12 102 - 147 ft.	MW-9D-1 08/21/13 102 - 147 ft.	MW-9D-1 08/19/14 102 - 147 ft.	MW-9D-1 08/19/15 102 - 147 ft.	MW-9D-1 08/23/16 102 - 147 ft.	MW-9D-1 08/22/17 102 - 147 ft.	MW-9D-1 08/28/18 102 - 147 ft.	MW-9D-1 08/20/19 102 - 147 ft.	MW-9D-1 10/07/20 102 - 147 ft.	MW-9D-1 12/01/21 102 - 147 ft.	MW-9D-1 08/25/22 102 - 147 ft.	MW-9D-1 08/23/23 102 - 147 ft.	MW-9D-1 08/27/25 102 - 147 ft.
Analyte (ug/L)																					
Chloromethane		5																			
Vinyl Chloride	2	2																			
Chloroethane		5																			
Methylene Chloride	5	5																			
Acetone		50																			
Carbon Disulfide		60		7.1 J																	
1,1-Dichloroethene	7	5																			
1,1-Dichloroethane		5	0.5 J	0.59 J	0.47 J	0.52 J	0.49 J	0.42 J	0.42 J					0.43 J	0.35 J	0.34 J	0.27	0.29 J	0.29 J		
Chloroform		7	1 J	0.78 J		0.23 J															
1,2-Dichloroethane	5	0.6	100	110	110	93 J	90	89	78	78	71	73	69	70	52	56	54	50	42	42	45
2-Butanone		50																			
1,1,1-Trichloroethane	200	5																			
Carbon Tetrachloride	5	5																			
1,2-Dichloropropane	5	1																			
Trichloroethene	5	5	0.5 J	0.86 J	0.69 J	0.83 J	0.83 J		0.68 J					0.60	0.48 J	0.43 J	0.42	0.42	0.36 J		
Benzene	5	1	4 J	4.6 J	4.6 J	3.6 J	3.6 J	4.3	3.8		3.1 J	3.4 J	3.2	3.5	3.3	3.3	3.3	3.3	2.5	3.1	2.9
4-Methyl-2-Pentanone		5																			
2-Hexanone		50																			
Tetrachloroethene	5	5				0.11 J															
Toluene	1000	5					0.13 J														
Chlorobenzene	100	5																			
Ethylbenzene	700	5																			
Styrene	100	5																			
P & M Xylenes		5																			
O Xylene		5																			
Xylenes (total)	10000	5																			
1,1,2-Trichloroethane	5	1																			
Dichlorodifluoromethane		5																			
Trichlorofluoromethane		5																			
cis-1,2-Dichloroethene	70	5	7 J	8.6 J	8.2 J	7.1 J	6.6 J	5.6	6.4	5.9	4.8 J	4.9 J	5.7	5.3	4.5	5.1	4.7	4.7	4.2	3.7	4.7
trans-1,2-Dichloroethene	100	5																			
N-Propylbenzene		5																			
1,3,5-Trimethylbenzene		5																			
1,2,4-Trimethylbenzene		5																			
1,3-Dichlorobenzene		3																			
1,4-Dichlorobenzene	75	3																			
1,2-Dichlorobenzene	600	3																			
1,2,4-Trichlorobenzene	70	5																			
Naphthalene		10																			
1,2,3-Trichlorobenzene		5																			
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--	--	--	11	13	--	--	10	9.9	9.9	8

Notes:
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ft. = foot
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Prepared by / Date: JM 10/27/23
Checked by / Date: CRS 11/6/23

Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-9D2 09/15/99 55 - 102 ft.	MW-9D2 11/15/99 55 - 102 ft.	MW-9D2 05/24/00 55 - 102 ft.	MW-9D2 11/14/00 55 - 102 ft.	MW-9D2 06/19/01 55 - 102 ft.	MW-9D2 12/12/01 55 - 102 ft.	MW-9D2 06/20/02 55 - 102 ft.	MW-9D2 07/24/03 55 - 102 ft.	MW-9D2 07/13/04 55 - 102 ft.	MW-9D2 08/10/05 55 - 102 ft.	MW-9D2 07/25/06 55 - 102 ft.	MW-9D2 07/17/07 55 - 102 ft.	MW-9D2 09/03/08 55 - 102 ft.												
Chloromethane		5																									
Vinyl Chloride	2	2																									
Chloroethane		5																									
Methylene Chloride	5	5																									
Acetone		50	3	J				3	J																		
Carbon Disulfide		60																									
1,1-Dichloroethene	7	5																									
1,1-Dichloroethane		5	5	J	5.3	3	J	3	J	2	J	2	J	1	J	0.8	J	0.68	J	0.67	J						
Chloroform		7																									
1,2-Dichloroethane	5	0.6	610	D	360	D	300	310	300	280	260	200	160	J	140	160	140	130									
2-Butanone		50																									
1,1,1-Trichloroethane	200	5			1.6																						
Carbon Tetrachloride	5	5																									
1,2-Dichloropropane	5	1																									
Trichloroethene	5	5	5	J	9.3	2	J	8	J	4	J	6	J	7	J	3	J	3	J	5	J	2	J	2.1	J	2.2	J
Benzene	5	1	12		11	7	J	7	J	8	J	6	J	6	J	2	J										
4-Methyl-2-Pentanone		5																									
2-Hexanone		50																									
Tetrachloroethene	5	5						0.5																			
Toluene	1000	5																									
Chlorobenzene	100	5																									
Ethylbenzene	700	5																									
Styrene	100	5																									
P & M Xylenes		5																									
O Xylene		5																									
Xylenes (total)	10000	5																									
1,1,2-Trichloroethane	5	1																									
Dichlorodifluoromethane		5																									
Trichlorofluoromethane		5																									
cis-1,2-Dichloroethene	70	5	30		38	D	18	33	27	28	26	19	15	J	16	16	14	12									
trans-1,2-Dichloroethene	100	5																									
N-Propylbenzene		5																									
1,3,5-Trimethylbenzene		5																									
1,2,4-Trimethylbenzene		5																									
1,3-Dichlorobenzene		3																									
1,4-Dichlorobenzene	75	3																									
1,2-Dichlorobenzene	600	3																									
1,2,4-Trichlorobenzene	70	5																									
Naphthalene		10																									
1,2,3-Trichlorobenzene		5																									
1,4-Dioxane		1	--		--		--		--		--		--		--		--		--								

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ft. = foot
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VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-9D2 08/18/09 55 - 102 ft.	MW-9D2 08/24/10 55 - 102 ft.	MW-9D2 08/30/11 55 - 102 ft.	MW-9D2 8/28/2012 55 - 102 ft.	MW-9D2 8/21/2013 55 - 102 ft.	MW-9D2 8/19/2014 55 - 102 ft.	MW-9D2 8/19/2015 55 - 102 ft.	MW-9D2 8/23/2016 55 - 102 ft.	MW-9D2 8/22/2017 55 - 102 ft.	MW-9D2 8/28/2018 55 - 102 ft.	MW-9D2 8/20/2019 55 - 102 ft.	MW-9D2 10/07/20 55 - 102 ft.	MW-9D2 12/01/21 55 - 102 ft.	MW-9D2 08/25/22 55 - 102 ft.
Analyte (ug/L)																
Chloromethane		5														
Vinyl Chloride	2	2														
Chloroethane		5														
Methylene Chloride	5	5												0.6		
Acetone		50														
Carbon Disulfide		60														
1,1-Dichloroethene	7	5														
1,1-Dichloroethane		5	0.59 J	0.59 J		0.6 J					0.41 J	0.36 J	0.32 J	0.37		
Chloroform		7														
1,2-Dichloroethane	5	0.6	110	120	73	74	98	96	92	87	85	59	60	56	41	34
2-Butanone		50														
1,1,1-Trichloroethane	200	5														
Carbon Tetrachloride	5	5														
1,2-Dichloropropane	5	1														
Trichloroethene	5	5	1.6 J	2 J		3.1		1.5 J	1.8	1.2	0.94	0.89	1.1	0.6	1.5	
Benzene	5	1		1.3 J		2.2			1.3	0.87	0.78	0.98	1.2	0.76	0.79	
4-Methyl-2-Pentanone		5														
2-Hexanone		50														
Tetrachloroethene	5	5	0.14 J	0.21 J												
Toluene	1000	5		0.11 J												
Chlorobenzene	100	5														
Ethylbenzene	700	5														
Styrene	100	5														
P & M Xylenes		5														
O Xylene		5														
Xylenes (total)	10000	5														
1,1,2-Trichloroethane	5	1														
Dichlorodifluoromethane		5														
Trichlorofluoromethane		5														
cis-1,2-Dichloroethene	70	5	10	11	9.2	5.3	7.3	6.9	6.0	8.4	6.9	6.1	6.0	6.6	5	5.1
trans-1,2-Dichloroethene	100	5														
N-Propylbenzene		5														
1,3,5-Trimethylbenzene		5														
1,2,4-Trimethylbenzene		5														
1,3-Dichlorobenzene		3														
1,4-Dichlorobenzene	75	3														
1,2-Dichlorobenzene	600	3														
1,2,4-Trichlorobenzene	70	5														
Naphthalene		10														
1,2,3-Trichlorobenzene		5														
1,4-Dioxane		1	--	--	--	--	--	--	--	--	7.2	10	--	--	9.9	6.3

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Appendix C
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VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-9D2 08/23/23 55 - 102 ft.	MW-9D2 08/27/25 55 - 102 ft.	MW-9D3 11/15/99 38 - 55 ft.	MW-9D3 05/24/00 38 - 55 ft.	MW-9D3 11/14/00 38 - 55 ft.	MW-9D3 06/19/01 38 - 55 ft.	MW-9D3 12/12/01 38 - 55 ft.	MW-9D3 06/20/02 38 - 55 ft.	MW-9D3 07/24/03 38 - 55 ft.	MW-9D3 07/13/04 38 - 55 ft.	MW-9D3 08/10/05 38 - 55 ft.	MW-9D3 07/25/06 38 - 55 ft.	MW-9D3 07/17/07 38 - 55 ft.
Analyte (ug/L)															
Chloromethane		5													
Vinyl Chloride	2	2													
Chloroethane		5													
Methylene Chloride	5	5													
Acetone		50													
Carbon Disulfide		60													
1,1-Dichloroethene	7	5			4.5										
1,1-Dichloroethane		5				3 J	2 J	2 J	2 J	2 J	2 J	1 J		0.8 J	0.58 J
Chloroform		7													
1,2-Dichloroethane	5	0.6	39	41	450 D	350	330	310	360	270	200	190 J	150	130	110
2-Butanone		50													
1,1,1-Trichloroethane	200	5			1.5	1 J									
Carbon Tetrachloride	5	5													
1,2-Dichloropropane	5	1													
Trichloroethene	5	5	0.72	0.82	9.1	8 J	7 J	8 J	7 J	8 J	6 J	5 J	5 J	5 J	4.5 J
Benzene	5	1	0.91	0.89	9.3	8 J	7 J	7 J	6 J	5 J	2 J			0.6 J	0.24 J
4-Methyl-2-Pentanone		5													
2-Hexanone		50													
Tetrachloroethene	5	5								0.9 J					0.36 J
Toluene	1000	5													
Chlorobenzene	100	5													
Ethylbenzene	700	5													
Styrene	100	5													
P & M Xylenes		5													
O Xylene		5													
Xylenes (total)	10000	5													
1,1,2-Trichloroethane	5	1													
Dichlorodifluoromethane		5													
Trichlorofluoromethane		5													
cis-1,2-Dichloroethene	70	5	4.4		39 JD	37	33	32	32	27	21	18 J	15	13	9.7 J
trans-1,2-Dichloroethene	100	5													
N-Propylbenzene		5													
1,3,5-Trimethylbenzene		5													
1,2,4-Trimethylbenzene		5													
1,3-Dichlorobenzene		3													
1,4-Dichlorobenzene	75	3													
1,2-Dichlorobenzene	600	3													
1,2,4-Trichlorobenzene	70	5													
Naphthalene		10													
1,2,3-Trichlorobenzene		5													
1,4-Dioxane		1	8.7	8	--	--	--	--	--	--	--	--	--	--	--

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VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-9D3 09/03/08 38 - 55 ft.	MW-9D3 08/18/09 38 - 55 ft.	MW-9D3 08/24/10 38 - 55 ft.	MW-9D3 08/23/11 38 - 55 ft.	MW-9D3 08/28/12 38 - 55 ft.	MW-9D3 08/21/13 38 - 55 ft.	MW-9D3 08/19/14 38 - 55 ft.	MW-9D3 08/19/15 38 - 55 ft.	MW-9D3 08/23/16 38 - 55 ft.	MW-9D3 08/22/17 38 - 55 ft.	MW-9D3 08/28/18 38 - 55 ft.	MW-9D3 08/20/19 38 - 55 ft.	MW-9D3 10/07/20 38 - 55 ft.	MW-9D3 12/01/21 38 - 55 ft.	MW-9D3 08/25/22 38 - 55 ft.	MW-9D3 08/22/23 38 - 55 ft.	MW-9D3 08/27/25 38 - 55 ft.
Analyte (ug/L)																			
Chloromethane		5			0.44 J														
Vinyl Chloride	2	2																	
Chloroethane		5																	
Methylene Chloride	5	5																	
Acetone		50																	
Carbon Disulfide		60																	
1,1-Dichloroethene	7	5			0.1 J														
1,1-Dichloroethane		5	0.5 J	0.46 J	0.46 J	0.4 J	0.55 J					0.32 J	0.27 J	0.26 J					
Chloroform		7																	
1,2-Dichloroethane	5	0.6	120	100	120	110	110	90	78	86	92	79	58	53	75	54	63	46	46
2-Butanone		50																	
1,1,1-Trichloroethane	200	5																	
Carbon Tetrachloride	5	5																	
1,2-Dichloropropane	5	1																	
Trichloroethene	5	5	4 J	4.6 J	4.1 J	5.3 J	3.1		4	3.8 J	3.3	3.4	3.90	3.4	3.2	3.7	3.2	3.3	3.2
Benzene	5	1			0.19 J		2.6					0.56	0.88		0.61	0.81	0.8	0.66	0.49 J
4-Methyl-2-Pentanone		5																	
2-Hexanone		50																	
Tetrachloroethene	5	5		0.57 J	0.56 J							0.29 J	0.34 J				0.28 J		0.28 J
Toluene	1000	5			0.1 J														
Chlorobenzene	100	5																	
Ethylbenzene	700	5																	
Styrene	100	5																	
P & M Xylenes		5																	
O Xylene		5																	
Xylenes (total)	10000	5																	
1,1,2-Trichloroethane	5	1																	
Dichlorodifluoromethane		5																	
Trichlorofluoromethane		5																	
cis-1,2-Dichloroethene	70	5	9.4 J	8.6 J	8.1 J	6.8 J	5.7	6	5.6	5.2	6.7	5.7	5.6	5.1	5.7	5.1	5.2	4	4
trans-1,2-Dichloroethene	100	5																	
N-Propylbenzene		5																	
1,3,5-Trimethylbenzene		5																	
1,2,4-Trimethylbenzene		5																	
1,3-Dichlorobenzene		3																	
1,4-Dichlorobenzene	75	3																	
1,2-Dichlorobenzene	600	3																	
1,2,4-Trichlorobenzene	70	5																	
Naphthalene		10																	
1,2,3-Trichlorobenzene		5																	
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--	1.1	1.2	--	--	1.1	1.1	1	

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ft. = foot
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Prepared by / Date: JM 10/27/23
Checked by / Date: CRS 11/6/23

Appendix C
SUMMARY OF DETECTED
VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth Analyte (ug/L)	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-10D1 09/15/99 110 - 144 ft.	MW-10D1 11/15/99 110 - 144 ft.	MW-10D1 05/24/00 110 - 144 ft.	MW-10D1 11/14/00 110 - 144 ft.	MW-10D1 06/19/01 110 - 144 ft.	MW-10D1 12/12/01 110 - 144 ft.	MW-10D1 06/19/02 110 - 144 ft.	MW-10D1 07/24/03 110 - 144 ft.	MW-10D1 07/13/04 110 - 144 ft.	MW-10D1 08/10/05 110 - 144 ft.	MW-10D1 07/25/06 110 - 144 ft.	MW-10D1 07/17/07 110 - 144 ft.	MW-10D1 09/04/08 110 - 144 ft.
Chloromethane		5													
Vinyl Chloride	2	2													
Chloroethane		5													
Methylene Chloride	5	5													
Acetone		50	6 J												
Carbon Disulfide		60													
1,1-Dichloroethene	7	5													
1,1-Dichloroethane		5													
Chloroform		7	1 J	0.9 J										0.36 J	0.34 J
1,2-Dichloroethane	5	0.6	47	70 D	86	61	74	67	56	62	61 J	40	44	40	41
2-Butanone		50													
1,1,1-Trichloroethane	200	5													
Carbon Tetrachloride	5	5													
1,2-Dichloropropane	5	1													
Trichloroethene	5	5													
Benzene	5	1												0.15 J	0.14 J
4-Methyl-2-Pentanone		5													
2-Hexanone		50													
Tetrachloroethene	5	5													
Toluene	1000	5												0.43 J	0.35 J
Chlorobenzene	100	5													
Ethylbenzene	700	5													
Styrene	100	5													
P & M Xylenes		5													
O Xylene		5													
Xylenes (total)	10000	5													
1,1,2-Trichloroethane	5	1													
Dichlorodifluoromethane		5													
Trichlorofluoromethane		5													
cis-1,2-Dichloroethene	70	5	1 J	2	1 J	1 J	1 J	2 J	2 J	2 J	2 J	1 J	1 J	1.3 J	1.3 J
trans-1,2-Dichloroethene	100	5													
N-Propylbenzene		5													
1,3,5-Trimethylbenzene		5													
1,2,4-Trimethylbenzene		5													
1,3-Dichlorobenzene		3													
1,4-Dichlorobenzene	75	3													
1,2-Dichlorobenzene	600	3													
1,2,4-Trichlorobenzene	70	5													
Naphthalene		10													
1,2,3-Trichlorobenzene		5													
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--	--	--	--	--

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2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-10D1 08/19/09 110 - 144 ft.	MW-10D-1 08/25/10 110 - 144 ft.	MW-10D-1 08/30/11 110 - 144 ft.	MW-10D-1 08/29/12 110 - 144 ft.	MW-10D-1 08/21/13 110 - 144 ft.	MW-10D-1 08/20/14 110 - 144 ft.	MW-10D-1 08/20/15 110 - 144 ft.	MW-10D-1 08/24/16 110 - 144 ft.	MW-10D-1 08/23/17 110 - 144 ft.	MW-10D-1 08/20/18 110 - 144 ft.	MW-10D-1 08/21/19 110 - 144 ft.	MW-10D-1 10/08/20 110 - 144 ft.	MW-10D-1 08/24/21 110 - 144 ft.
Analyte (ug/L)															
Chloromethane		5													
Vinyl Chloride	2	2													
Chloroethane		5													
Methylene Chloride	5	5													
Acetone		50										1.2 J			
Carbon Disulfide		60			0.41 J										
1,1-Dichloroethene	7	5													
1,1-Dichloroethane		5		0.14 J											
Chloroform		7			0.28 J										
1,2-Dichloroethane	5	0.6	43	41	36	34	27	29	31	29	27	21	21	20	19
2-Butanone		50													
1,1,1-Trichloroethane	200	5													
Carbon Tetrachloride	5	5													
1,2-Dichloropropane	5	1													
Trichloroethene	5	5													
Benzene	5	1		0.21 J	0.18 J						0.13 J	0.1 J			
4-Methyl-2-Pentanone		5													
2-Hexanone		50													
Tetrachloroethene	5	5													
Toluene	1000	5		0.37 J											
Chlorobenzene	100	5													
Ethylbenzene	700	5													
Styrene	100	5													
P & M Xylenes		5													
O Xylene		5													
Xylenes (total)	10000	5													
1,1,2-Trichloroethane	5	1													
Dichlorodifluoromethane		5													
Trichlorofluoromethane		5													
cis-1,2-Dichloroethene	70	5	1.5 J	1.4 J	1.6	1.2 J		0.98 J	0.95 J	1.3	1.1	1.2	1.1	0.98	1.1
trans-1,2-Dichloroethene	100	5													
N-Propylbenzene		5													
1,3,5-Trimethylbenzene		5													
1,2,4-Trimethylbenzene		5													
1,3-Dichlorobenzene		3													
1,4-Dichlorobenzene	75	3													
1,2-Dichlorobenzene	600	3													
1,2,4-Trichlorobenzene	70	5													
Naphthalene		10													
1,2,3-Trichlorobenzene		5													
1,4-Dioxane		1	--	--	--	--	--	--	--	--	1.3	1.2	--	--	1.1

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VOCS IN BEDROCK WELLS
1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth Analyte (ug/L)	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-10D-1 08/24/22 110 - 144 ft.	MW-10D-1 08/22/23 111 - 144 ft.	MW-10D-1 08/26/25 111 - 144 ft.	MW-10D2 11/15/99 68 - 110 ft.	MW-10D2 05/24/00 68 - 110 ft.	MW-10D2 11/14/00 68 - 110 ft.	MW-10D2 06/19/01 68 - 110 ft.	MW-10D2 12/12/01 68 - 110 ft.	MW-10D2 06/19/02 68 - 110 ft.	MW-10D2 07/24/03 68 - 110 ft.	MW-10D2 07/13/04 68 - 110 ft.	MW-10D2 08/10/05 68 - 110 ft.	MW-10D2 07/25/06 68 - 110 ft.	MW-10D2 07/17/07 68 - 110 ft.
Chloromethane		5														
Vinyl Chloride	2	2								2 J						
Chloroethane		5														
Methylene Chloride	5	5														
Acetone		50														
Carbon Disulfide		60														
1,1-Dichloroethene	7	5														
1,1-Dichloroethane		5														
Chloroform		7														
1,2-Dichloroethane	5	0.6	18	14	17	67 D	69	91	82	88	87	73	69 J	55	30	52
2-Butanone		50														
1,1,1-Trichloroethane	200	5														
Carbon Tetrachloride	5	5														
1,2-Dichloropropane	5	1														
Trichloroethene	5	5														
Benzene	5	1			0.13 J											
4-Methyl-2-Pentanone		5														
2-Hexanone		50														
Tetrachloroethene	5	5														
Toluene	1000	5														
Chlorobenzene	100	5														
Ethylbenzene	700	5														
Styrene	100	5														
P & M Xylenes		5														
O Xylene		5														
Xylenes (total)	10000	5														
1,1,2-Trichloroethane	5	1														
Dichlorodifluoromethane		5														
Trichlorofluoromethane		5														
cis-1,2-Dichloroethene	70	5	0.95	0.78	0.82	2.3		1 J		3 J	3 J	2 J	1 J	1 J	0.8 J	0.91 J
trans-1,2-Dichloroethene	100	5														
N-Propylbenzene		5														
1,3,5-Trimethylbenzene		5														
1,2,4-Trimethylbenzene		5														
1,3-Dichlorobenzene		3														
1,4-Dichlorobenzene	75	3														
1,2-Dichlorobenzene	600	3														
1,2,4-Trichlorobenzene	70	5														
Naphthalene		10														
1,2,3-Trichlorobenzene		5														
1,4-Dioxane		1	0.8	1.3		--	--	--	--	--	--	--	--	--	--	--

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1997 THROUGH 2023 SAMPLING EVENTS

2023 Annual Groundwater Monitoring Report
Sarney Farm Superfund Site, Amenia, New York

Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-10D2 09/04/08 68 - 110 ft.	MW-10D2 08/19/09 68 - 110 ft.	MW-10D-2 08/25/10 68 - 110 ft.	MW-10D-2 08/24/11 68 - 110 ft.	MW-10D-2 08/29/12 68 - 110 ft.	MW-10D-2 08/22/13 68 - 110 ft.	MW-10D-2 08/20/14 68 - 110 ft.	MW-10D-2 08/20/15 68 - 110 ft.	MW-10D-2 08/24/16 68 - 110 ft.	MW-10D-2 08/23/17 68 - 110 ft.	MW-10D-2 08/20/18 68 - 110 ft.	MW-10D-2 08/21/19 68 - 110 ft.	MW-10D-2 10/08/20 68 - 110 ft.
Analyte (ug/L)															
Chloromethane		5													
Vinyl Chloride	2	2													
Chloroethane		5													
Methylene Chloride	5	5													
Acetone		50													
Carbon Disulfide		60													
1,1-Dichloroethene	7	5													
1,1-Dichloroethane		5													
Chloroform		7													
1,2-Dichloroethane	5	0.6	46	8.3 J	48	43	43	11	28	37	35	32	23	24	26
2-Butanone		50													
1,1,1-Trichloroethane	200	5													
Carbon Tetrachloride	5	5													
1,2-Dichloropropane	5	1													
Trichloroethene	5	5		0.3 J	0.24 J							0.33 J			
Benzene	5	1											0.44 J		
4-Methyl-2-Pentanone		5													
2-Hexanone		50													
Tetrachloroethene	5	5													
Toluene	1000	5			0.17 J										
Chlorobenzene	100	5													
Ethylbenzene	700	5													
Styrene	100	5													
P & M Xylenes		5													
O Xylene		5													
Xylenes (total)	10000	5													
1,1,2-Trichloroethane	5	1													
Dichlorodifluoromethane		5													
Trichlorofluoromethane		5													
cis-1,2-Dichloroethene	70	5	0.31 J	0.46 J	0.84 J		0.7 J	0.51 J	0.58 J			0.77	0.55	0.58	0.53
trans-1,2-Dichloroethene	100	5													
N-Propylbenzene		5													
1,3,5-Trimethylbenzene		5													
1,2,4-Trimethylbenzene		5													
1,3-Dichlorobenzene		3													
1,4-Dichlorobenzene	75	3													
1,2-Dichlorobenzene	600	3													
1,2,4-Trichlorobenzene	70	5													
Naphthalene		10													
1,2,3-Trichlorobenzene		5													
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--		0.33 J	--	--

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Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-10D-2 08/24/21 68 - 110 ft.	MW-10D-2 08/24/22 68 - 110 ft.	MW-10D-2 08/22/23 68 - 110 ft.	MW-10D-2 08/26/25 68 - 110 ft.	MW-10D3 11/15/99 40 - 68 ft.	MW-10D3 05/24/00 40 - 68 ft.	MW-10D3 11/14/00 40 - 68 ft.	MW-10D3 06/19/01 40 - 68 ft.	MW-10D3 12/12/01 40 - 68 ft.	MW-10D3 06/19/02 40 - 68 ft.	MW-10D3 07/24/03 40 - 68 ft.	MW-10D3 07/13/04 40 - 68 ft.	MW-10D3 08/10/05 40 - 68 ft.	MW-10D3 07/25/06 40 - 68 ft.	MW-10D3 07/17/07 40 - 68 ft.
Analyte (ug/L)																	
Chloromethane		5											3 J				
Vinyl Chloride	2	2															
Chloroethane		5															
Methylene Chloride	5	5															
Acetone		50															
Carbon Disulfide		60															
1,1-Dichloroethene	7	5															
1,1-Dichloroethane		5															
Chloroform		7															
1,2-Dichloroethane	5	0.6	15	19	7.8	23	14	6 J		19	5 J	3 J	6 J	6 J	5 J		10 U
2-Butanone		50															
1,1,1-Trichloroethane	200	5															
Carbon Tetrachloride	5	5															
1,2-Dichloropropane	5	1															
Trichloroethene	5	5							1 J								0.52 J
Benzene	5	1															
4-Methyl-2-Pentanone		5															
2-Hexanone		50															
Tetrachloroethene	5	5															
Toluene	1000	5															
Chlorobenzene	100	5															
Ethylbenzene	700	5															
Styrene	100	5															
P & M Xylenes		5															
O Xylene		5															
Xylenes (total)	10000	5															
1,1,2-Trichloroethane	5	1															
Dichlorodifluoromethane		5															
Trichlorofluoromethane		5															
cis-1,2-Dichloroethene	70	5	0.61	0.56	0.39	0.54	0.8 J										
trans-1,2-Dichloroethene	100	5															
N-Propylbenzene		5															
1,3,5-Trimethylbenzene		5															
1,2,4-Trimethylbenzene		5															
1,3-Dichlorobenzene		3															
1,4-Dichlorobenzene	75	3															
1,2-Dichlorobenzene	600	3															
1,2,4-Trichlorobenzene	70	5															
Naphthalene		10															
1,2,3-Trichlorobenzene		5															
1,4-Dioxane		1					--	--	--	--	--	--	--	--	--	--	--

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Well No. Date Sampled Sample/Zone Depth	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-10D3 09/04/08 40 - 68 ft.	MW-10D3 08/19/09 40 - 68 ft.	MW-10D3 08/24/10 40 - 68 ft.	MW-10D3 08/24/11 40 - 68 ft.	MW-10D3 08/29/12 40 - 68 ft.	MW-10D3 08/22/13 40 - 68 ft.	MW-10D3 08/20/14 40 - 68 ft.	MW-10D3 08/20/15 40 - 68 ft.	MW-10D3 08/24/16 40 - 68 ft.	MW-10D3 08/23/17 40 - 68 ft.	MW-10D3 08/20/18 40 - 68 ft.	MW-10D3 08/21/19 40 - 68 ft.	MW-10D3 10/08/20 40 - 68 ft.	MW-10D3 08/24/21 40 - 68 ft.	MW-10D3 08/24/22 40 - 68 ft.	MW-10D3 08/22/23 40 - 68 ft.
Analyte (ug/L)											No Detections							
Chloromethane		5																
Vinyl Chloride	2	2																
Chloroethane		5																
Methylene Chloride	5	5																
Acetone		50											1.6 J					
Carbon Disulfide		60																
1,1-Dichloroethene	7	5																
1,1-Dichloroethane		5																
Chloroform		7																
1,2-Dichloroethane	5	0.6	1.1 J	2.1 J	0.16 J	0.9 J			0.75 J	0.58 J		0.6	0.89	0.81		0.87		
2-Butanone		50																
1,1,1-Trichloroethane	200	5																
Carbon Tetrachloride	5	5																
1,2-Dichloropropane	5	1																
Trichloroethene	5	5	0.39 J	0.36 J	0.5 J	0.28 J			0.34 J	0.63 J		0.71	0.68	0.44 J	0.35	0.66	0.35 J	
Benzene	5	1																
4-Methyl-2-Pentanone		5																
2-Hexanone		50																
Tetrachloroethene	5	5																
Toluene	1000	5			0.27 J													
Chlorobenzene	100	5																
Ethylbenzene	700	5																
Styrene	100	5																
P & M Xylenes		5																
O Xylene		5																
Xylenes (total)	10000	5																
1,1,2-Trichloroethane	5	1																
Dichlorodifluoromethane		5																
Trichlorofluoromethane		5																
cis-1,2-Dichloroethene	70	5		0.16 J	0.16 J											0.28 J		
trans-1,2-Dichloroethene	100	5																
N-Propylbenzene		5																
1,3,5-Trimethylbenzene		5																
1,2,4-Trimethylbenzene		5																
1,3-Dichlorobenzene		3																
1,4-Dichlorobenzene	75	3																
1,2-Dichlorobenzene	600	3																
1,2,4-Trichlorobenzene	70	5																
Naphthalene		10																
1,2,3-Trichlorobenzene		5																
1,4-Dioxane		1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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Well No. Date Sampled Sample/Zone Depth Analyte (ug/L)	EPA MCL (ug/L)	NYSDEC Class GA (ug/L)	MW-10D3 08/26/25 40 - 68 ft.	
Chloromethane		5		
Vinyl Chloride	2	2		
Chloroethane		5		
Methylene Chloride	5	5		
Acetone		50		
Carbon Disulfide		60		
1,1-Dichloroethene	7	5		
1,1-Dichloroethane		5		
Chloroform		7		
1,2-Dichloroethane	5	0.6	0.54	
2-Butanone		50		
1,1,1-Trichloroethane	200	5		
Carbon Tetrachloride	5	5		
1,2-Dichloropropane	5	1		
Trichloroethene	5	5	0.56	
Benzene	5	1		
4-Methyl-2-Pentanone		5		
2-Hexanone		50		
Tetrachloroethene	5	5		
Toluene	1000	5		
Chlorobenzene	100	5		
Ethylbenzene	700	5		
Styrene	100	5		
P & M Xylenes		5		
O Xylene		5		
Xylenes (total)	10000	5		
1,1,2-Trichloroethane	5	1		
Dichlorodifluoromethane		5		
Trichlorofluoromethane		5		
cis-1,2-Dichloroethene	70	5		
trans-1,2-Dichloroethene	100	5		
N-Propylbenzene		5		
1,3,5-Trimethylbenzene		5		
1,2,4-Trimethylbenzene		5		
1,3-Dichlorobenzene		3		
1,4-Dichlorobenzene	75	3		
1,2-Dichlorobenzene	600	3		
1,2,4-Trichlorobenzene	70	5		
Naphthalene		10		
1,2,3-Trichlorobenzene		5		
1,4-Dioxane		1		

APPENDIX D

Mann-Kendall Test

Appendix D
2025 MANN-KENDALL STATISTICAL EVALUATION PER WIEDEMEIER ET AL.

Well ID: MW-7D-S											
1,2 DCA (ug/L)		08/23/17	08/28/18	08/20/19	10/07/20	12/01/21	08/25/22	08/23/23	08/27/25	Number of >0 Values	Number of <0 Values
		59	53	58	49	48	50	28	55		
08/23/17	59		-6	-1	-10	-11	-9	-31	-4	0	7
08/28/18	53			5	-4	-5	-3	-25	2	2	4
08/20/19	58				-9	-10	-8	-30	-3	0	5
10/07/20	49					-1	2	-21	6	2	2
12/01/21	48						2	-20	7	2	1
08/25/22	50							-22	5	1	1
08/23/23	28								27	1	0
08/27/25	55								sum	8	20
S-statistic:										-12	

Well ID: MW-7D-D											
1,2 DCA (ug/L)		08/23/17	08/28/18	08/20/19	10/07/20	12/01/21	08/25/22	08/23/23	08/27/25	Number of >0 Values	Number of <0 Values
		72	35	36	35	30	31	47	25		
08/23/17	72		-37	-36	-37	-42	-41	-25	-47	0	7
08/28/18	35			1	0	-5	-4	12	-10	2	3
08/20/19	36				-1	-6	-5	11	-11	1	4
10/07/20	35					-5	-4	12	-10	1	3
12/01/21	30						1	17	-5	2	1
08/25/22	31							16	-6	1	1
08/23/23	47								-22	0	1
08/27/25	25								sum	7	20
S-statistic:										-13	

Well ID: MW-9D-3											
1,2 DCA (ug/L)		08/23/17	08/28/18	08/20/19	10/07/20	12/01/21	08/25/22	08/23/23	08/27/25	Number of >0 Values	Number of <0 Value
		79	58	53	75	54	63	46	46		
08/23/17	79		-21	-26	-4	-25	-16	-33	-33	0	7
08/28/18	58			-5	17	-4	5	-12	-12	2	4
08/20/19	53				22	1	10	-7	-7	3	2
10/07/20	75					-21	-12	-29	-29	0	4
12/01/21	54						9	-8	-8	1	2
08/25/22	63							-17	-17	0	2
08/23/23	46								0	0	0
08/27/25	46								sum	6	21
S-statistic:										-15	

Well ID: MW-9D-2											
1,2 DCA (ug/L)		08/23/17	08/28/18	08/20/19	10/07/20	12/01/21	08/25/22	08/23/23	08/27/25	Number of >0 Values	Number of <0 Value
		85	59	60	56	41	34	39	41		
08/23/17	85		-26	-25	-29	-44	-51	-46	-44	0	7
08/28/18	59			1	-3	-18	-25	-20	-18	1	5
08/20/19	60				-4	-19	-26	-21	-19	0	5
10/07/20	56					-15	-22	-17	-15	0	4
12/01/21	41						-7	-2	0	0	2
08/25/22	34							5	7	2	0
08/23/23	39								2	1	0
08/27/25	41								sum	4	23
S-statistic:										-19	

Appendix D
2025 MANN-KENDALL STATISTICAL EVALUATION PER WIEDEMEIER ET AL.

Well ID: MW-9D-1											
1,2 DCA (ug/L)		08/22/17	08/28/18	08/20/19	10/07/20	12/01/21	08/25/22	08/23/23	08/27/25	Number of >0 Values	Number of <0 Value
		70	52	56	54	50	42	42	45		
08/22/17	70		-18	-14	-16	-20	-28	-28	-25	0	7
08/28/18	52			4	2	-2	-10	-10	-7	2	4
08/20/19	56				-2	-6	-14	-14	-11	0	5
10/07/20	54					-4	-12	-12	-9	0	4
12/01/21	50						-8	-8	-5	0	3
08/25/22	42							0	3	1	0
08/23/23	42								3	1	0
08/27/25	45								sum	4	23
S-statistic:											-19
Well ID: MW-10D-3											
1,2-DCA Concentration [ug/L] in Groundwater by Date											
1,2 DCA (ug/L)		08/23/17	08/20/18	08/21/19	10/08/20	08/24/21	08/24/22	08/22/23	08/26/25	Number of >0 Values	Number of <0 Value
		0.6	0.89	0.81	0	0.87	0	0	0.54		
08/23/17	0.6		0.29	0.21	-0.6	0.27	-0.6	-0.6	-0.06	3	4
08/20/18	0.89			-0.08	-0.89	-0.02	-0.89	-0.89	-0.35	0	6
08/21/19	0.81				-0.81	0.06	-0.81	-0.81	-0.27	1	4
10/08/20	0					0.87	0	0	0.54	2	0
08/24/21	0.87						-0.87	-0.87	-0.33	0	3
08/24/22	0							0	0.54	1	0
08/22/23	0								0.54	1	0
08/26/25	0.54								sum	8	17
S-statistic:											-9
Well ID: MW-10D-2											
1,2 DCA (ug/L)		08/23/17	08/20/18	08/21/19	10/08/20	08/24/21	08/24/22	08/22/23	08/26/25	Number of >0 Values	Number of <0 Value
		32	23	24	26	15	19	7.8	23		
08/23/17	32		-9	-8	-6	-17	-13	-24.2	-9	0	7
08/20/18	23			1	3	-8	-4	-15.2	0	2	3
08/21/19	24				2	-9	-5	-16.2	-1	1	4
10/08/20	26					-11	-7	-18.2	-3	0	4
08/24/21	15						4	-7.2	8	2	1
08/24/22	19							-11.2	4	1	1
08/22/23	7.8								15.2	1	0
08/27/23	23								sum	7	20
S-statistic:											-13
Well ID: MW-10D-1											
1,2 DCA (ug/L)		08/23/17	08/20/18	08/21/19	10/08/20	08/24/21	08/24/22	08/22/23	08/26/25	Number of >0 Values	Number of <0 Value
		27	21	21	20	19	18	14	17		
08/23/17	27		-6	-6	-7	-8	-9	-13	-10	0	7
08/20/18	21			0	-1	-2	-3	-7	-4	0	5
08/21/19	21				-1	-2	-3	-7	-4	0	5
10/08/20	20					-1	-2	-6	-3	0	4
08/24/21	19						-1	-5	-2	0	3
08/24/22	18							-4	-1	0	2
08/22/23	14								3	1	0
08/26/25	17								sum	1	26
S-statistic:											-25
Notes:											
- Application of Mann-Kendall Test is per Wiedemeier et al. (2000).											
- For eight consecutive sampling events, an S-statistic greater than or equal ± 12 indicates a trend with at least 90% confidence. For an S-statistic of less than ± 12 , the trend is not statistically significant.											
- S-statistic > 0 = Increasing Trend; S-statistic < 0 = Decreasing Trend											
ug/L = micrograms per liter											
Event Data Comparison Key:											
		No concentration change between sampling events									
		Decrease in concentration between sampling events									
		Increase in concentration between sampling events									