Groundwater and Vapor Semi-Annual Sampling Summary Report November 2024 Roxy Cleaners (442024) North Greenbush, New York

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

NEW YORK STATE | Department of Environmental Conservation

Prepared by

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November 2024
Version: FINAL
EA Project No. 16025.06

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
µg/m^3	Microgram(s) per cubic meter
AWQS	Ambient water quality standard
COC	Contaminant of concern
DCE	Dichloroethene
EA	EA Engineering and Geology, P.C.
EPA	U.S. Environmental Protection Agency
No.	Number
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	Tetrachloroethene
PE	Professional Engineer
PID	Photoionization detector
SMP	Site Management Plan
SSDS	Sub-slab depressurization system
TCE	Trichloroethene
VOC	Volatile organic compound

1. INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering and Geology, P.C. (EA) to perform site management activities at the Roxy Cleaners site (NYSDEC Site No. 442024), which includes evaluation and performance of long-term monitoring of groundwater and soil vapor. The area is in a suburban portion of Rensselaer County in North Greenbush, New York (**Figure 1**).

From 1959 to 1998, Roxy Cleaners, Inc. operated a dry-cleaning establishment at this site and allegedly spilled dry-cleaning solvents, which resulted in contamination of the site's soil and groundwater. In 1990, NYSDEC initiated a remedial investigation/feasibility study to determine the extent of the contamination. Contaminants were found to be tetrachloroethene (PCE), trichloroethene (TCE), and *cis*-1,2-dichloroethene (DCE). A treatment system was installed in January 1992 to treat impacted groundwater and operated until December 2021.

In August 2019, EA performed an injection of CarBstrate™ into both the overburden and bedrock aquifers at the site as part of a pilot study. The injections purpose was to stimulate direct anaerobic reductive dechlorination of chlorinated volatile organic compounds (VOCs) present in groundwater. A total of three bedrock wells (INJ-1, INJ-2, and INJ-3) and two overburden trenches (T-1 and T-2) were used to implement the CarBstrate™ injections. A total of 10,000 lb of CarBstrate™ was injected into the subsurface, 4,000 lb into the overburden via injection trenches and 6,000 lb into the bedrock via injection wells.

The treatment system's performance was evaluated until December 2021, when the treatment system was shut off to initiate a rebound study focused on the groundwater plume and soil vapor associated with the site. As part of the rebound study, EA collected quarterly groundwater, air, and soil vapor samples to evaluate how contaminant of concern (COC) concentrations responded. The rebound study was completed in March 2023. The treatment system has remained off since December 2021.

1.1 OBJECTIVES

EA is completing groundwater, indoor air, and sub-slab air sampling in accordance with the Site Management Plan (SMP) on a semi-annual basis. During November 2024, EA completed field activities at the Roxy Cleaners site that included the collection of aqueous and soil vapor media to delineate chlorinated volatile organic compounds (VOCs) following the groundwater treatment system shutdown on 15 December 2021. This report will summarize sampling activities and results associated with the November 2024 sampling event.

1.2 REPORT ORGANIZATION

Monitoring activities are discussed in Section 2, VOC concentration trends are discussed in Section 3, and conclusions and recommendations are discussed in Section 4.

The following are provided as appendices:

- Appendix A— Daily Field Reports
- Appendix B— Field Forms
- Appendix C— Analytical Summary Table
- Appendix D—Laboratory Reports (Provided via EQuIS v4 EDD)
- Appendix E— Groundwater Time Series Plots
- Appendix F – Air and Soil Vapor Time Series Plots
- Appendix G – Data Validation Report

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2. MONITORING ACTIVITIES

Site activities for November 2024 included the fire extinguisher and well inspections, gauging, sampling of groundwater monitoring wells, and the collection of air/vapor samples. A summary of samples collected during the event is provided in **Table 1**. The semi-annual sampling event was completed in the fourth quarter, from 11 to 13 November 2024. Daily field reports are included in **Appendix A**.

2.1 MONITORING WELL INSPECTIONS

Monitoring wells were inspected prior to gauging and sampling, and their conditions were noted on the groundwater purge forms. During the November 2024 well inspections, 25 monitoring wells were located and inspected. Three overburden monitoring wells designated in the SMP for sampling (MW-101A, MW-102A, and MW-105A) were not located. One additional overburden monitoring well (MW-107) has a blockage and is unable to be gauged or sampled. Bedrock well MW-1B was full of sediment due to the well not being secured with a cover and bedrock well MW-101 was unable to be located. Inspection results are provided in **Table 2**. These well deficiencies are not new and have been noted historically. EA is recommending the removal of the above-mentioned wells during the upcoming semi-annual inspections, monitoring, and sampling due to the historical inability to sample these wells.

2.2 GROUNDWATER GAUGING

Groundwater levels were recorded from 11 to 13 November 2024, prior to the initiation of groundwater sampling to determine groundwater flow patterns in the overburden and bedrock. Depth to groundwater was measured from the top of the inner polyvinyl chloride casing at 25 wells (**Figures 2 and 3**) using a water-level indicator. Groundwater depths and total depths are provided in monitoring well gauging logs in **Appendix B**. Groundwater contours for bedrock and overburden monitoring wells from the November 2024 sampling event are detailed on **Figures 4** and **5**.

2.3 GROUNDWATER SAMPLING

Twenty-five groundwater samples were collected during the sampling event, along with 2 matrix spike/matrix spike duplicates, 2 field duplicates, 1 field blank, and 1 trip blank. Samples are summarized in **Table 1**. The groundwater monitoring wells were purged at a flow rate of approximately 0.3 liters per minute using a peristaltic pump, until the water quality parameters stabilized, at which time groundwater samples were collected for analysis of VOCs.

Water quality parameters including temperature, pH, oxidation-reduction potential, conductivity, dissolved oxygen, and turbidity were monitored during purging using a Horiba U-52 water quality monitoring system equipped with a flow-through cell. Field parameters were considered stable when the following conditions were met for three consecutive readings:

- pH readings within ± 0.1 pH units
- Oxidation-reduction potential within ± 10 millivolts

- Dissolved oxygen within 0.3 milligrams per liter
- Specific conductance within ± 3 percent
- Turbidity measurements less than 50 nephelometric turbidity units

Dedicated high-density polyethylene tubing was used at each monitoring well location. Non-dedicated sampling equipment (i.e., the water-level indicator) was decontaminated with Alconox® detergent and deionized water between well locations to prevent cross-contamination.

In addition, the depth to water was measured throughout purging using a water-level indicator. Water quality parameters, calibration forms, field notes, and groundwater sampling purge forms are provided in **Appendix B**.

Groundwater samples were collected using clean nitrile gloves and placed in laboratory supplied bottleware containing appropriate preservatives. Samples were placed on ice inside coolers immediately after collection to ensure proper preservation. Pertinent sample information was recorded on the associated chain-of-custody, and samples were shipped off-site under secure chain-of-custody protocol. Groundwater samples were sent to Pace Analytical/Con-Test Analytical in East Longmeadow, Massachusetts for fixed laboratory analysis of VOCs via U.S. Environmental Protection Agency (EPA) Method 8260D.

2.4 AIR SAMPLING

Air sampling is only to be conducted during heating season (October to March); therefore, air and soil vapor sampling was performed in November 2024 which included the collection of two indoor air samples, four soil vapor samples, two sub-slab vapor samples, and one outdoor air sample. Sample collection is summarized in **Table 1**. The soil vapor and sub-slab vapor points were monitored with a photoionization detector (PID) by connecting the tubing from the soil vapor point to the PID and allowing the PID purge the air from the line for approximately 45 seconds (or until the highest reading was reached) prior to the summa canisters being set up. Soil vapor samples are taken from outdoor soil vapor points to monitor any soil vapor plume changes. Indoor air and sub-slab soil vapor samples are taken routinely from two structures that currently do not have an installed sub-slab depressurization system (SSDS) to ensure that mitigation measures do not need to be taken at these locations. Indoor air samples IA-195 and IA-184 were collected from the breathing zone in a first-floor office and a first-floor storage room, respectively. Samples SVP-195 and SVP-184 were both collected from soil vapor points installed in the sub-slab within the same rooms as their respective indoor air samples. All samples were collected over the course of approximately 24 hours from 12 to 13 November 2024. While performing soil vapor point monitoring, EA confirmed that the SSDS at [redacted] were functioning via auditory and exterior visual inspection.

2.5 INSPECTIONS

On 12 November 2024 the EA field team conducted a monthly fire extinguisher inspection. The field team's inspection concluded that the fire extinguisher was in working order.

3. VOLATILE ORGANIC COMPOUND CONCENTRATION TRENDS

COCs in aqueous and gaseous media for the site are PCE, TCE, and *cis*-1,2-DCE. Concentrations of the COCs for the site will serve as a metric to evaluate if rebound is occurring following system shut-off. As discussed below, VOC concentrations during November 2024 event were generally comparable to the concentrations found during the previous sampling events of 2024, 2023 and the last sampling event of the rebound study, which was performed in the fourth quarter of 2022.

3.1 GROUNDWATER COC CONCENTRATION TRENDS

EA compared groundwater analytical results to the NYSDEC ambient water quality standard (AWQS) of 5 micrograms per liter (µg/L) for PCE, TCE, and *cis*-1,2-DCE, and 2 µg/L for vinyl chloride.

3.1.1 November 2024 Groundwater Analytical Results

Groundwater COC concentrations from the November 2024 sampling event included PCE, TCE, and *cis*-1,2-DCE in exceedance of the NYSDEC AWQS at the following wells:

- PCE: MW-2, MW-103A, MW-115A, TW-05, TW-08, TW-09, and TW-10
- TCE: MW-103A
- *Cis*-1,2-DCE: MW-2, MW-103A, MW-115A, TW-06, and TW-08

Maximum concentrations for each analyte were detected at the corresponding wells:

- PCE: MW-2 with a concentration of 220 µg/L
- TCE: MW-103A with a concentration of 7.3 µg/L
- *Cis*-1,2-DCE: TW-06 with a concentration of 11 µg/L in both the normal and field duplicated sample.

COC concentrations for wells sampled in November 2024 are summarized in **Table 3**. Isopleth maps for site concentrations of PCE and DCE are presented on **Figures 6 and 7,** respectively. Analytical results are summarized in **Appendix C**. Laboratory reports are available upon request, EQuIS EDDs for this sampling event have been submitted to the NYSDEC in place of a laboratory report in **Appendix D**.

Time series plots for groundwater data are presented in **Appendix E**. These were created by normalizing analytical concentrations of PCE, TCE, and *cis*-1,2-DCE to the NYSDEC AWQS at 5 µg/L, then plotting them. Non-detect values are plotted as half the limit of detection for each applicable analyte and then normalized by the NYSDEC AWQS value; this is done rather than entering '0' for a non-detect value since the concentration for the analyte could exist anywhere between the laboratory limit of detection and zero.

COC concentrations derived from the November 2024 sampling event remain comparable to the previous 2024, 2023 and 2022 sampling events for PCE, TCE, and *cis*-1,2-DCE. New exceedances were observed for these analytes at the following wells:

- TCE: MW-103A
- *Cis*-1,2-DCE: MW-103A and MW-115A

3.2 AIR AND SOIL VAPOR CONTAMINANT OF CONCERN CONCENTRATION TRENDS

Two indoor air samples, one outdoor air sample, four soil vapor samples, and two sub-slab vapor samples were collected in November 2024. Air and soil vapor COC concentrations for the November 2024 sampling event included detections of PCE at IA-195, IA-184, SV-01, SV-02, SV-03, SV-04, SV-195, and SV-184. Soil vapor sample SV-04 contained the highest detected concentration of PCE at 5.78 micrograms per cubic meter ($\mu g/m^3$). In addition, TCE was detected for the first time at SV-02 (0.081 $\mu g/m^3$), while *cis*-1,2-DCE was detected only at SV-184 (0.083 $\mu g/m^3$) also for the first time. Vinyl chloride was detected at, SV-01, SV-02, SV-03, and SV-04. The highest concentration of TCE was detected at SV-04 (0.16 $\mu g/m^3$) and the highest concentration of vinyl chloride was 0.041 J $\mu g/m^3$ at SV-02. COC concentrations and detections for air and soil vapor samples during the November 2024 event are summarized in **Table 4** and detailed on **Figure 8**. Analytical results are summarized in **Appendix C**.

COC concentrations (PCE, TCE, and *cis*-1,2-DCE) from the November 2024 event were generally lower than samples collected in March 2024 and 2023. This is illustrated in the Air COC Concentration Time Series that can be found in **Appendix F**. Notably, PCE concentrations were lower than previous events at SVP-184 and SV-04. However, there were low end detections of PCE daughter products at new locations. SV-184 was installed in November 2022 and had only been sampled four times before the November 2024 event; previous analytical results had detections of PCE in air samples above 2 $\mu g/m^3$ since the installation of the point. It should be noted that outdoor air sample OA-195 had low detections of PCE at a concentration of 0.115 $\mu g/m^3$.

Results from the PID readings can be found in **Table 5** as well as the field forms in **Appendix B**.

Time series plots for indoor air and soil vapor data are presented in **Appendix F**. These were created by plotting PCE, TCE, and *cis*-1,2-DCE values. Non-detect values are plotted as half the laboratory limit of detection for each applicable analyte. **Appendix G** contains data validation reports for samples IA-195, SV-195, and SVP-184, and IA-184. No major discrepancies were found upon data validation for each sample.

The two structures that are sampled for soil vapor intrusion currently do not have installed SSDSs. Routine sampling is performed during the heating season (October through March) to ensure that mitigation measures do not need to be taken at these locations per New York State Department of Health (NYSDOH) request due to their proximity to the site. The possibility of soil vapor intrusion was evaluated based on whether or not COC concentrations exceed screening levels outlined in

the NYSDOH Soil Vapor/Indoor Air Decision Matrices[1]. These matrices outline actions that need to be taken at certain screening levels to ensure soil vapor intrusion is not occurring at each structure. The COCs are assigned one of three decision matrices (designated as "A," "B," and "C") with concentration ranges for indoor air and sub-slab soil vapor driving recommended actions. Using NYSDOH Decision Matrix (B), the lowest value of <3 $\mu g/m^3$ was applied for the indoor air concentrations of PCE detected at IA-195 (2.28 $\mu g/m^3$) and IA-184 (0.604 $\mu g/m^3$); when combined with the PCE concentrations detected at the corresponding sub-slab vapor points, lowest screening value being 100 $\mu g/m^3$, at SV-195 (2.99 $\mu g/m^3$) and SV-184 (1.68 $\mu g/m^3$), no further action is recommended at either location with respect to mitigation or monitoring.

1 NYSDOH. 2024. Soil Vapor and Indoor Air Decision Matrices. February.

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4. CONCLUSIONS AND RECOMMENDATIONS

The results from the November 2024 sampling event indicate groundwater COC concentrations remain comparable to previous events, with no reduction in the number of wells containing exceedances. EA recommends leaving the pump and treat system off unless groundwater concentrations significantly change requiring the system to be turned back on.

The next groundwater sampling event is scheduled to take place in the first quarter of 2025 using the same set of wells that is described within this report. With exception to the groundwater monitoring wells mentioned above that have not been able to be historically sampled.

In addition, air sample results from November 2024 are comparable to results from previous heating seasons. Soil vapor points will continue to be monitored during the heating season to ensure that soil vapor contamination is not increasing or migrating.

The NYSDOH has recommended No Further Action to address potential exposure related to soil vapor intrusion at the two structures on Main Street. All sub slab indoor air points will be appropriately abandoned. However, soil vapor samples will continue to be sampled and this will occur again in the first quarter of 2025.

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Tables

Table 1. Summary of Samples Collected (November 2024)

Well ID	Sample ID	Sample Date	Sample Time	MS/MSD		Trip Blank Associated
Aqueous Media						
MW-115A	442024-MW-115A	11/11/2024	1408	Y		442024-TB-01
MW-105	442024-MW-105	11/12/2024	1350	N		442024-TB-01
MW-3	442024-MW-3	11/11/2024	1427	N		442024-TB-01
MW-3B	442024-MW-3B	11/11/2024	1337	N		442024-TB-01
MW-4	442024-MW-4	11/12/2024	0918	N		442024-TB-01
MW-4B	442024-MW-4B	11/12/2024	0915	N		442024-TB-01
MW-106A	442024-MW-106A	11/12/2024	1241	N		442024-TB-01
MW-106	442024-MW-106	11/12/2024	1245	N		442024-TB-01
MW-114A	442024-MW-114A	11/11/2024	1532	N		442024-TB-01
MW-2	442024-MW-2	11/12/2024	1456	N		442024-TB-01
MW-2B	442024-MW-2B	11/12/2024	1450	N		442024-TB-01
MW-1	442024-MW-1	11/11/2024	1615	N		442024-TB-01
MW-107A	442024-MW-107A	11/12/2024	1507	N		442024-TB-01
MW-109	442024-MW-109	11/11/2024	1625	N		442024-TB-01
TW-5	442024-TW-5	11/12/2024	1557	N		442024-TB-01
TW-07	442024-TW-07	11/13/2024	0950	N		442024-TB-01
MW-104	442024-MW-104	11/11/2024	1527	N		442024-TB-01
TW-10	442024-TW-10	11/13/2024	0954	Y		442024-TB-01
MW-111	442024-MW-111	11/12/2024	1559	N		442024-TB-01
MW-108A	442024-MW-108A	11/12/2024	1150	N		442024-TB-01
MW-108	442024-MW-108	11/12/2024	1155	N		442024-TB-01
TW-06	442024-TW-06	11/13/2024	0848	N		442024-TB-01
TW-08	442024-TW-08	11/13/2024	0844	N		442024-TB-01
TW-09	442024-TW-09	11/13/2024	0937	N		442024-TB-01
MW-103A	442024-MW-103A	11/12/2024	1600	N		442024-TB-01
TW-06	442024-FD-02	11/13/2024	--	N		442024-TB-01
MW-109	442024-FD-01	11/11/2024	--	N		442024-TB-01

Quality Control Samples					
Associated Parent Sample	**Sample ID**	**Sample Date**	**Sample Time**		**QC Type**
442024-TW-06	442024-FD-02	11/13/2024	0848		Field Duplicate
442024-MW-109	442024-FD-01	11/11/2024	1625		Field Duplicate

Air Samples					
Canister ID	**Sample ID**	**Sample Date**	**Sample Time**		**QA/QC**
1944	442024-SV-01-20241113	11/13/2024	1101		N
2040	442024-SV-02-20241113	11/13/2024	1128		N
2916	442024-SV-03-20241113	11/13/2024	1051		N
2043	442024-SV-04-2024111	11/13/2024	1202		N
1785	442024-SVP-195-20241113	11/13/2024	1118		N
1259	442024-IA-195-20241113	11/13/2024	1119		N
1824	442024-OA-195-20241113	11/13/2024	1216		N
2185	442024-SVP-184-20241113	11/13/2024	1034		N
2019	442024-IA-184-20241113	11/13/2024	1033		N

Notes:
FD = Field Duplicate
IA = Indoor Air
ID = Identification
MS = Matrix spike
MSD = Matrix spike duplicate
MW = Monitoring well
N = No
NA = Not applicable
QC = Quality control
SV= Soil Vapor
SVP = Sub-slab vapor point
TB = Trip blank
TW = Temporary well
Y =Yes

Table 2. Summary of Groundwater Table Elevations

Well Number	TOC Elevation (ft AMSL)	November 2024		Well Condition Notes
		Depth to Water Level (ft)	Groundwater Table Elevation (ft AMSL)	
OVERBURDEN MONITORING WELLS				
MW-1	363.51	13.53	349.98	Good
MW-2	352.41	10.1	342.31	Good
MW-3	350.93	8.51	342.42	Good
MW-4	348.77	7.48	341.29	Good
MW-101A	357.41	WELL NOT GAUGED		Could not locate well
MW-102A	355.94	WELL NOT GAUGED		Well not sampled this event
MW-103A	356.61	10.12	346.49	Good
MW-104A	368.47	WELL NOT GAUGED		Could not locate well
MW-105A	346.12	WELL NOT GAUGED		Could not locate well
MW-106A	351.68	10.96	340.72	Good
MW-107A	352.74	9.50	343.24	J-plug partially broken, sounding depths do not match
MW-108A	351.19	7.32	343.87	Good
MW-111	356.15	9.75	346.40	Good
MW-113A	343.80	WELL NOT GAUGED		Well not sampled this event
MW-114A	346.40	8.15	338.25	Good
MW-115A	345.10	6.8	338.30	Good
BEDROCK MONITORING WELLS				
MW-1B	363.77	WELL NOT GAUGED		Well has been filled with sediment
MW-2B	352.21	12.64	339.57	Fair
MW-3B	349.92	7.15	342.77	Good
MW-4B	348.75	7.46	341.29	No J-plug
MW-101	356.75	WELL NOT GAUGED		Could not locate well
MW-104	368.12	23.98	344.14	Good
MW-105	346.94	4.84	342.10	No J-plug
MW-106	351.91	11.28	340.63	Good
MW-107	353.43	WELL NOT GAUGED		Well filled with sediment, unable to gauge
MW-108	351.02	7.17	343.85	Good
MW-109	345.80	7.2	338.60	Good
TEMPORARY WELLS				
TW-5	352.48	10.26	342.22	Good
TW-06	352.47	8.81	343.66	Good
TW-07	352.71	8.86	343.85	Good
TW-08	352.50	9.30	343.20	Good
TW-09	352.78	9.76	343.02	Good
TW-10	351.64	8.8	342.84	Fair

Notes:
AMSL = Above mean sea level
ft = Foot (feet)
PVC = Polyvinyl chloride
TOC = Top of casing

Table 3. Summary of Groundwater COC Concentrations and Exceedances

DATE	MW-1 Overburden			MW-2 Overburden			MW-3 Overburden			MW-4 Overburden			TW-05 Temporary Well			TW-06 Temporary Well			TW-07 Temporary Well			TW-08 Temporary Well		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
11–13 November 2024	ND	ND	ND	**220**	2.9	**5.8**	ND	ND	ND	ND	ND	ND	**35**	2.2	1.3	4.9	2.1	**11**	ND	ND	ND	**7.2**	0.88 J	**9.2**
DATE	TW-09 Temporary Well			TW-10 Temporary Well			MW-106 Bedrock			MW-108 Bedrock			MW-2B Bedrock			MW-3B Bedrock			MW-4B Bedrock			MW-104 Bedrock		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
11–13 November 2024	**49**	2.1	1.1	**130**	1.7 J	1.4 J	ND	ND	ND	0.88 J	ND	2.1	ND	ND	1.3	ND	ND	0.38 J	ND	ND	ND	ND	ND	ND
DATE	MW-105 Bedrock			MW-109 Bedrock			MW-103A Overburden			MW-106A Overburden			MW-107A Overburden			MW-108A Overburden			MW-111 Overburden			MW-114A Overburden		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
11–13 November 2024	ND	ND	ND	ND	ND	ND	**130**	**7.3**	**5.8**	ND	ND	ND	0.78 J	0.26 J	0.25 J	0.26 J	ND	0.81 J	3.1	ND	ND	ND	ND	ND
DATE	MW-115A Overburden																							
	PCE	TCE	DCE																					
11–13 November 2024	**41**	1.3	**5.7**																					

Notes:
AWQS = Ambient Water Quality Standard
COC = Contaminant of concern
DCE = *cis*-1,2-dichloroethene / *cis*-1,2-dichloroethylene
ND = The analytes were analyzed for but were not detected above the sample reporting limit.
NYSDEC = New York State Department of Environmental Conservation
PCE = Tetrachloroethene / tetrachloroethylene
TCE = Trichloroethene/ trichloroethylene
Samples are reported in microgram(s) per liter (µg/L)
Bold values indication that the analyte was detected greater than the NYSDEC AWQS of 5 µg/L for PCE, TCE and DCE.

Table 4. Summary of Air COC Concentrations (November 2024)

DATE	IA-195			OA-195			SV-01			SV-02			SV-03		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
11–13 November 2024	2.28	0.065 J	ND	0.115 J	ND	ND	0.142	ND	ND	1.97	0.081 J	ND	0.481	ND	ND
DATE	**SV-04**			**SV-05[1]**			**SV-195**			**SV-184**			**IA-184**		
	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE	PCE	TCE	DCE
11–13 November 2024	5.78	0.16	ND	NS	NS	NS	2.99	0.145	ND	1.68	0.059 J	0.083	0.604	ND	ND

Notes:
New York State Department of Health Ambient Air Guidelines and Immediate Action Levels apply to indoor air and outdoor air samples; New York currently does not have any standards, criteria, or guidance values for concentrations of compounds in sub-slab vapor.
[1]SV-05 has not been sampled the past four air sampling events due to a blockage that does not allow air to pass through the point.
COC = Contaminant of concern
DCE = *cis*-1,2-dichloroethene
J = Concentration is estimated
ND = The analyte was analyzed for but not detected above the sample reporting limit
NS = Not sampled
PCE = Tetrachloroethene
TCE = Trichloroethene
Samples are reported in microgram(s) per cubic meter ($\mu g/m^3$)
[1]See Figure 7 for note regarding SV-05

Table 5. Summary of Soil Vapor Point PID Readings (November 2024)

Point ID	Units	PID Reading
SV-01	ppb	200
SV-02	ppb	200
SV-03	ppb	200
SV-04	ppb	200
SVP-195 Sub Slab	ppb	500
IA-195 Indoor Air	ppb	300
OA-195	ppb	0.0
SVP-184 Sub Slab	ppb	600
IA-184 Indoor Air	ppb	400

Notes:
IA = Indoor air
ID = Identification
PID = Photoionization detector
ppb = Part(s) per billion
SVP = Soil vapor point
OA = Outdoor air

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Figures

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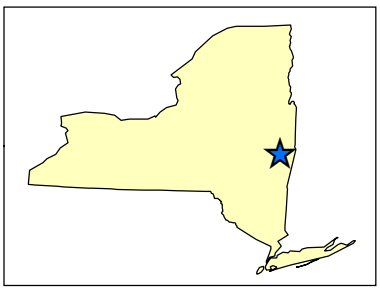


Legend

★ Site Location

0 0.25 0.5
Miles

1 inch = 0.25 miles

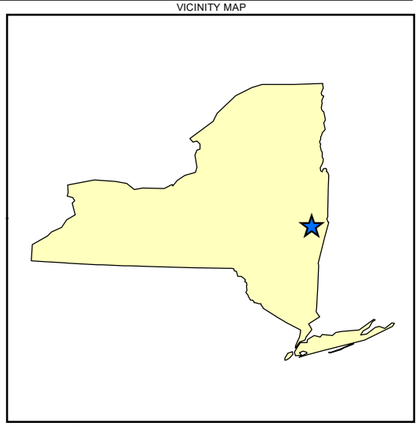
N

Figure 1
SITE LOCATION MAP
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

Map Date: 2/5/2024
Projection: NAD 1983 State Plane New York East

NEW YORK STATE Department of Environmental Conservation

VICINITY MAP



Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Bedrock Injection Wells
- Roxy Cleaners Parcel
- Injection Trench Locations
- Soil Vapor Point Location

Map Date: 9/18/2023
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

N

0 95 190
Feet

Department of Environmental Conservation

Figure 2
MONITORING WELLS AND SOIL VAPOR POINT LOCATIONS
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

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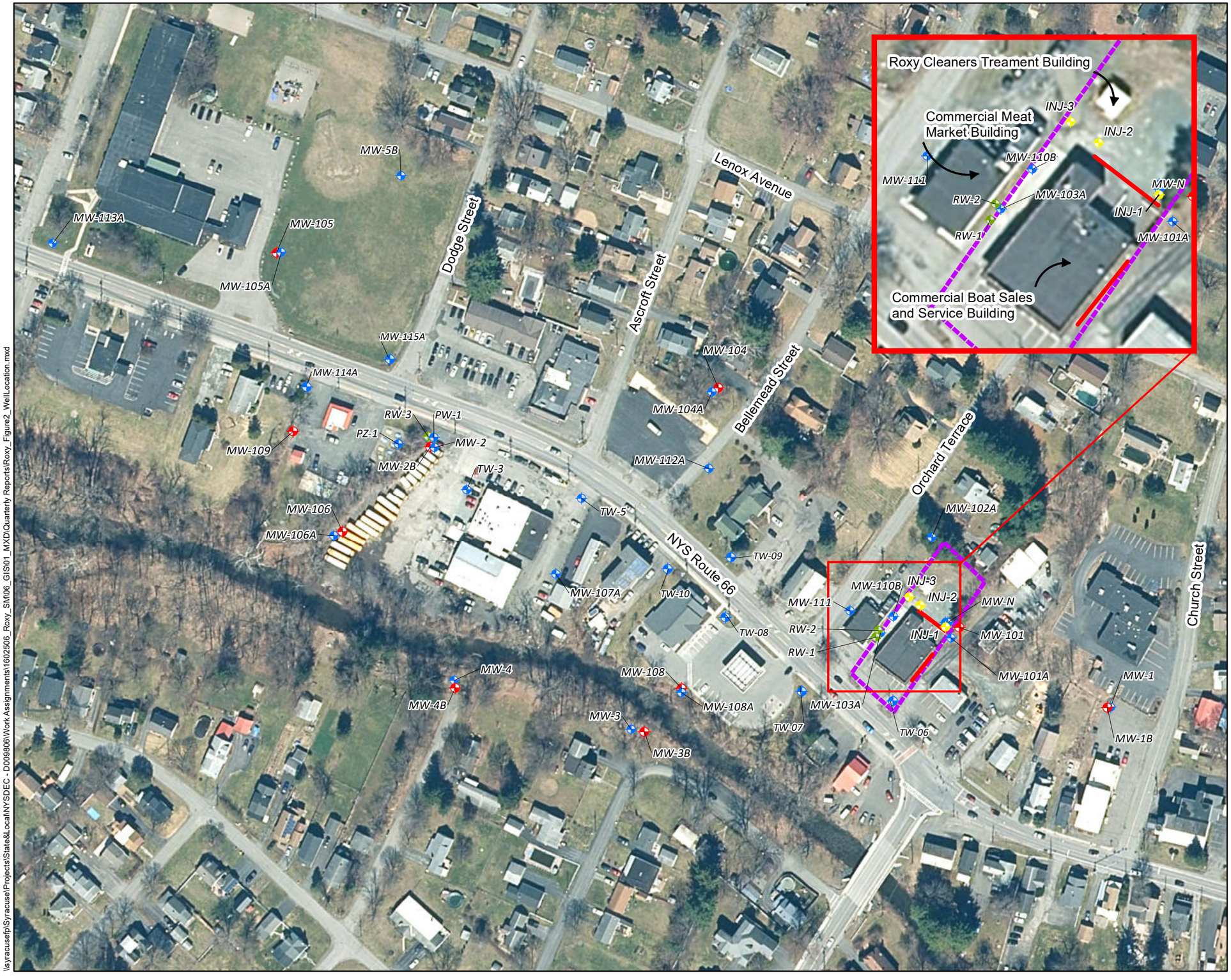
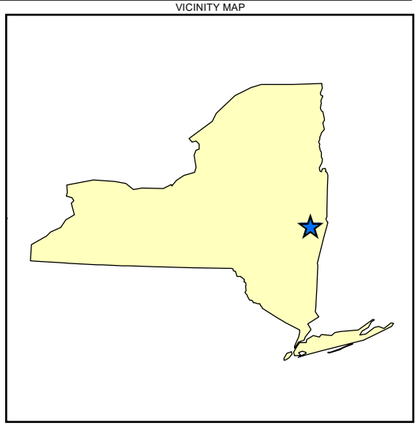


VICINITY MAP



Legend

- Overburden Monitoring Well
- Bedrock Monitoring Well
- Recovery Well
- Bedrock Injection Wells
- Injection Trench Locations
- Roxy Cleaners Parcel

Map Date: 12/6/2022
Source: ESRI, 2011
Projection: NAD 1983 State Plane New York East

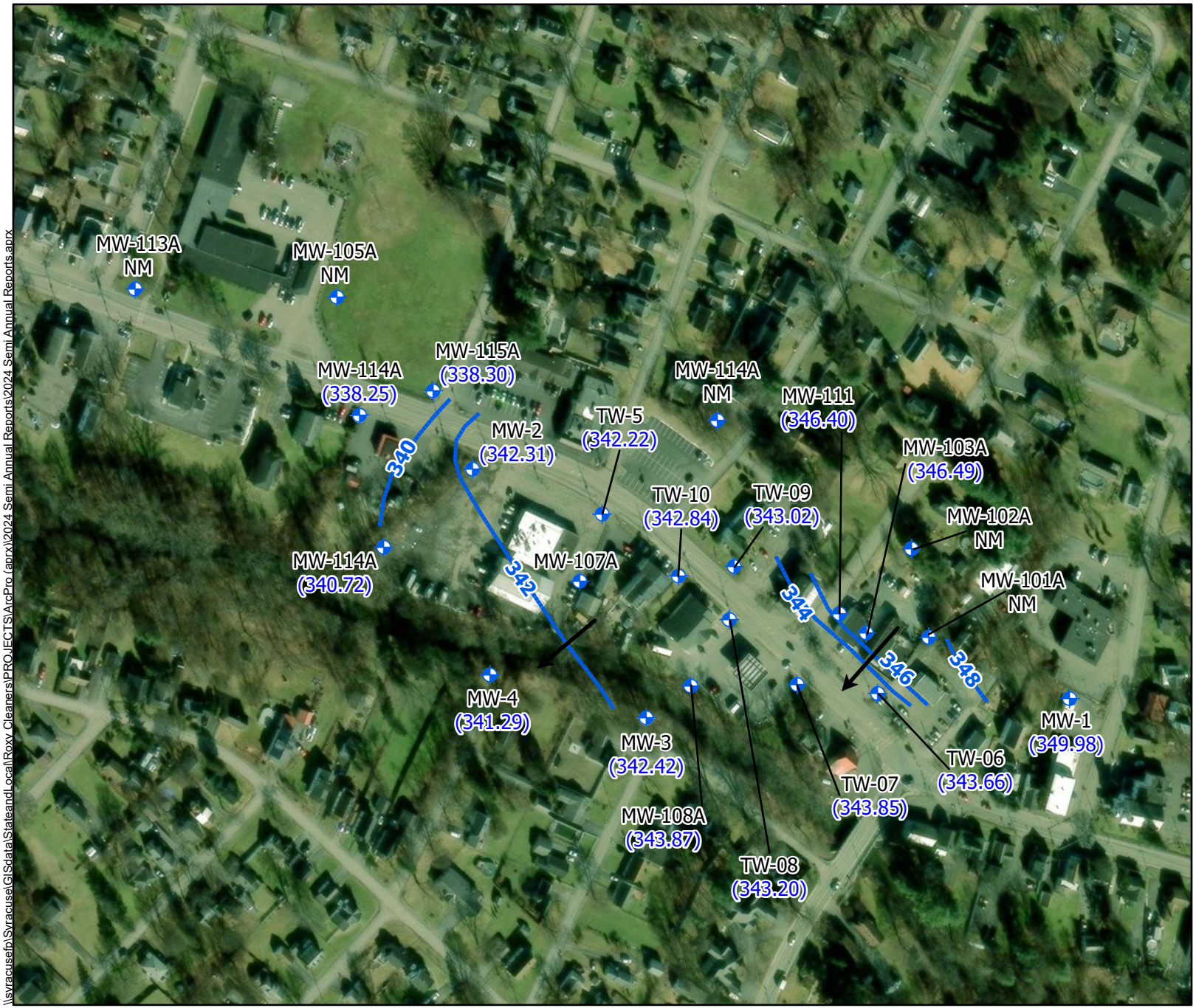
N

0 120 240
Feet

Department of Environmental Conservation

Figure 3
MONITORING WELL LOCATIONS
Roxy Cleaners Site (Site No. 442024)
North Greenbush, New York

\\syracusefp\Syracuse\Projects\State&Local\NYSDEC - D009806\Work Assignments\1602506_Roxy_SMI06_GIS\01_MXD\Quarterly Reports\Roxy_Figure2_WellLocation.mxd



VICINITY MAP

Legend

- Overburden Monitoring Wells
- Estimated Groundwater Elevation Contour (ft amsl)
- Estimated Groundwater Flow Direction

Notes:
Contours presented in 2 foot intervals.
Elevations presented in units of ft amsl.
amsl = above mean sea level
ft = foot

N

0 175 350

Feet

Map Date: 1/17/2025
Projection: NAD 1983 State Plane New York East

NEW YORK STATE | Department of Environmental Conservation

Figure 4
November 2024 Overburden Groundwater Elevations
Roxy Cleaners Site (Site No. 442024)
Wynantskill, New York

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VICINITY MAP

Legend

- Bedrock Monitoring Wells
- Estimated Groundwater Elevation Contour (ft amsl)
- Estimated Groundwater Flow Direction

Notes:
Contours presented in 1 foot intervals.
Elevations presented in units of ft amsl.
amsl = above mean sea level
ft = foot

N

0 100 200

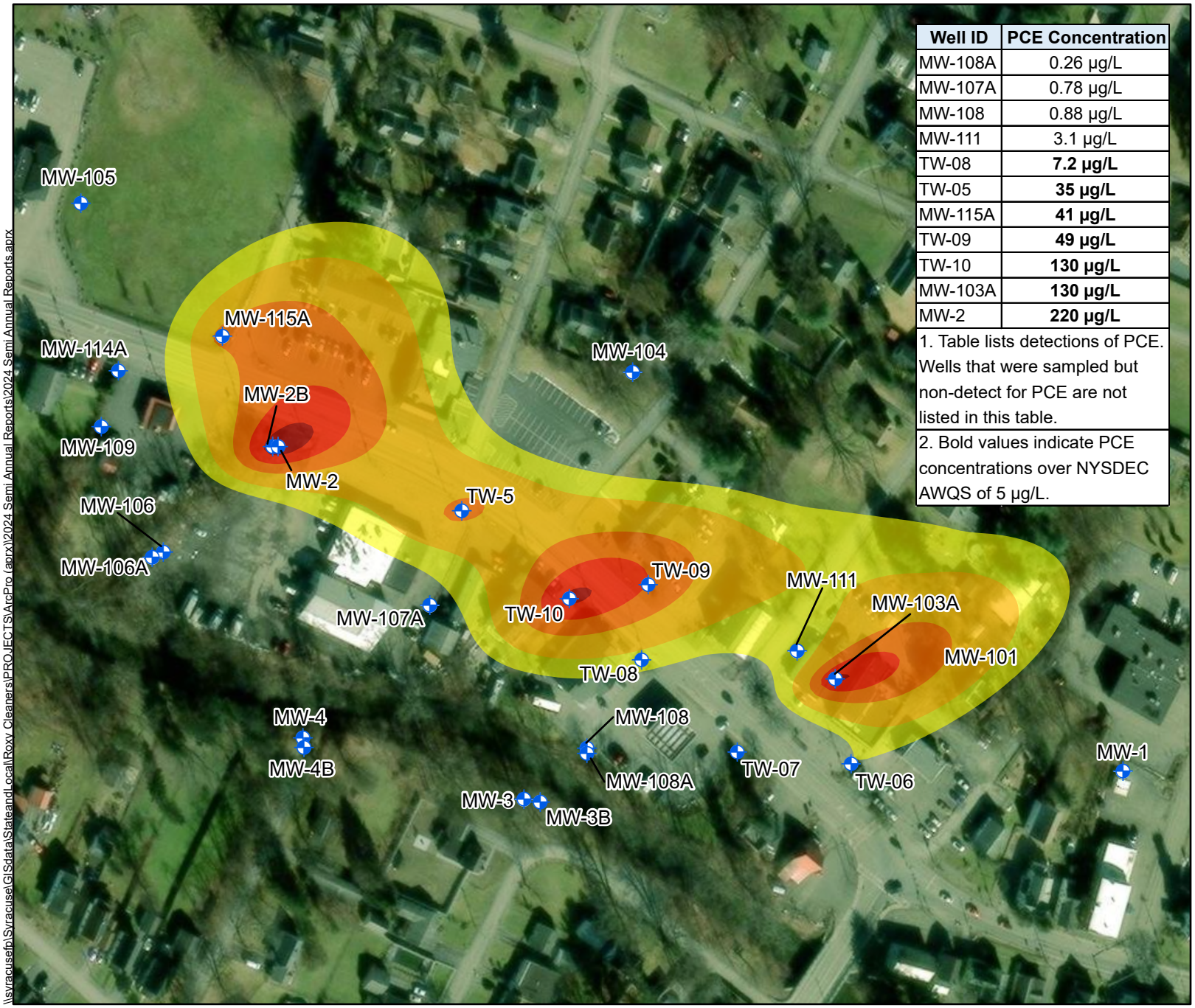
Feet

Map Date: 1/17/2025
Projection: NAD 1983 State Plane New York East

NEW YORK STATE | Department of Environmental Conservation

Figure 5
November 2024 Bedrock Groundwater Elevations

Roxy Cleaners Site (Site No. 442024)
Wynantskill, New York



Well ID	PCE Concentration
MW-108A	0.26 µg/L
MW-107A	0.78 µg/L
MW-108	0.88 µg/L
MW-111	3.1 µg/L
TW-08	**7.2 µg/L**
TW-05	**35 µg/L**
MW-115A	**41 µg/L**
TW-09	**49 µg/L**
TW-10	**130 µg/L**
MW-103A	**130 µg/L**
MW-2	**220 µg/L**

1. Table lists detections of PCE. Wells that were sampled but non-detect for PCE are not listed in this table.

2. Bold values indicate PCE concentrations over NYSDEC AWQS of 5 µg/L.

VICINITY MAP

Legend

Monitoring Well

PCE Isopleth (µg/L)

- >100
- 50-100
- 25-50
- 10-25
- 5-10

Isopleths were generated with EVS software.
µg/L = micrograms per liter
PCE = tetrachloroethene

N

0 100 200

Feet

Map Date: 1/17/2025
Projection: NAD 83 State Plane New York East 3101 (US Feet)

Department of Environmental Conservation

Figure 6
November 2024
PCE Plume Isopleth
Roxy Cleaners
Wynantskill, New York

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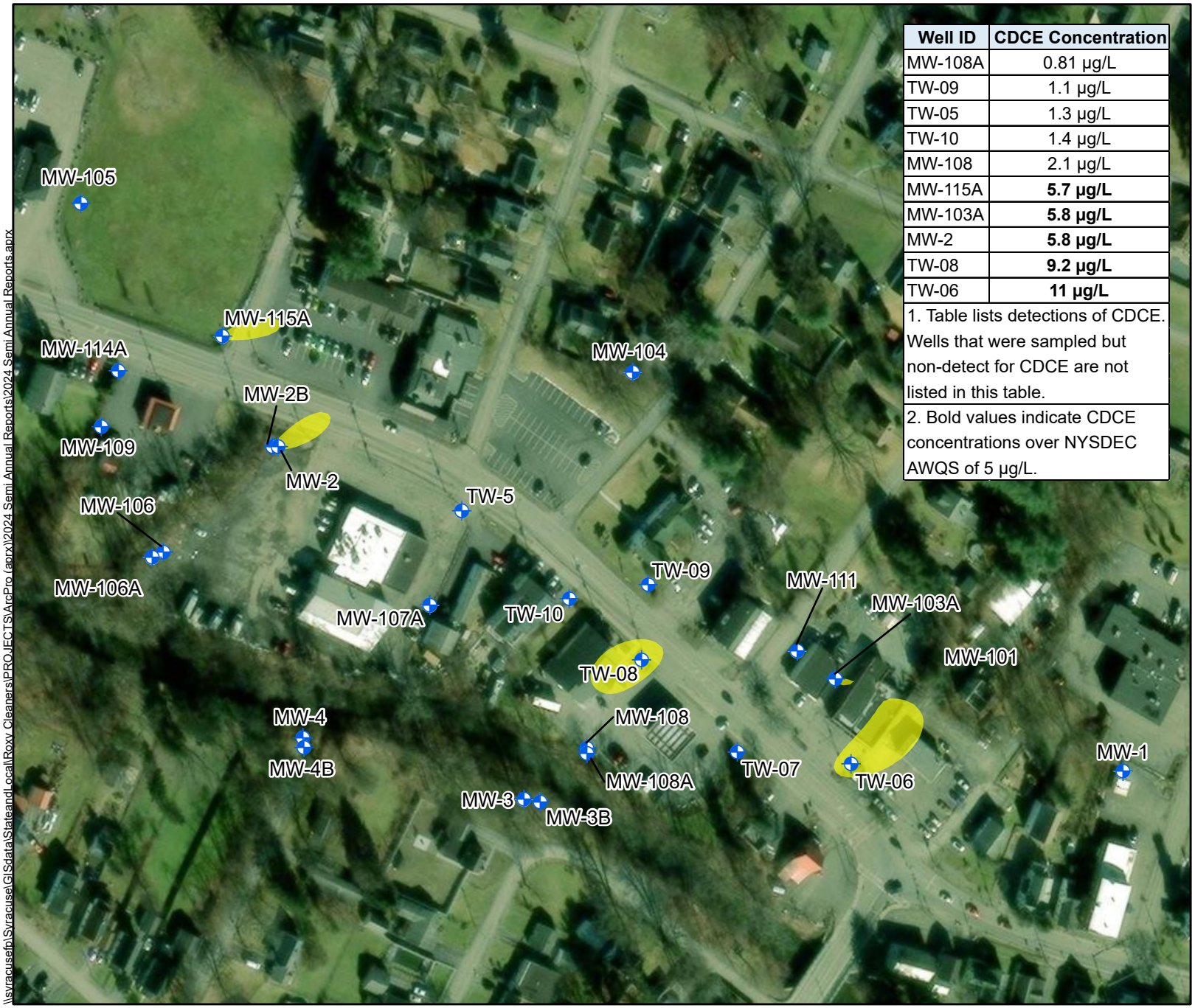

Well ID	CDCE Concentration
MW-108A	0.81 µg/L
TW-09	1.1 µg/L
TW-05	1.3 µg/L
TW-10	1.4 µg/L
MW-108	2.1 µg/L
MW-115A	**5.7 µg/L**
MW-103A	**5.8 µg/L**
MW-2	**5.8 µg/L**
TW-08	**9.2 µg/L**
TW-06	**11 µg/L**

1. Table lists detections of CDCE. Wells that were sampled but non-detect for CDCE are not listed in this table.

2. Bold values indicate CDCE concentrations over NYSDEC AWQS of 5 µg/L.

VICINITY MAP

Legend

Monitoring Well

CDCE Isopleth (µg/L)

5-10

Isopleths were generated with EVS software.
µg/L = micrograms per liter
CDCE = cis-1,2-Dichloroethene

N

0 100 200

Feet

Map Date: 1/17/2025
Projection: NAD 83 State Plane New York East 3101 (US Feet)

Department of Environmental Conservation

Figure 7
November 2024
CDCE Plume Isopleth
Roxy Cleaners
Wynantskill, New York

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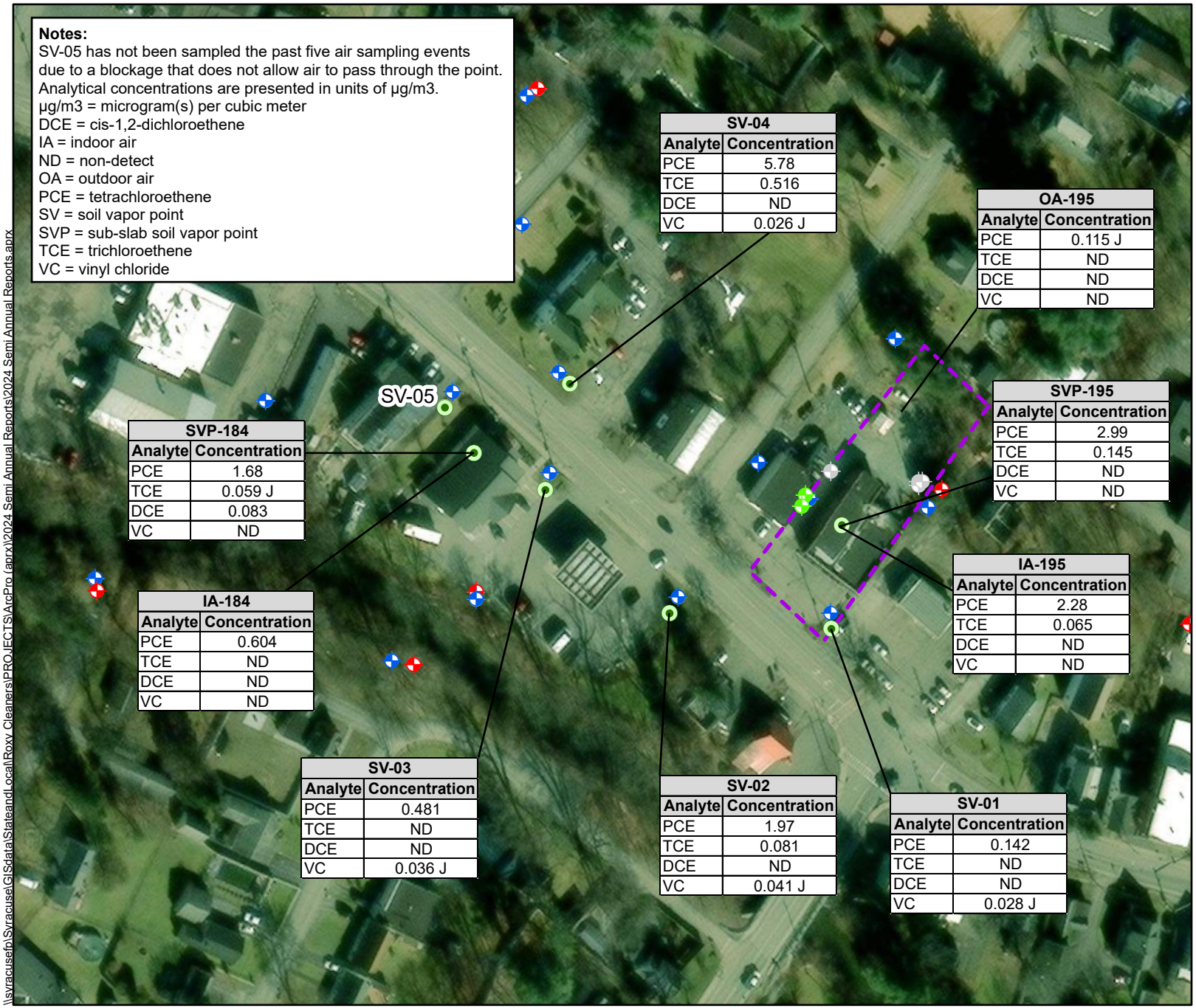

VICINITY MAP

Legend

- Bedrock Monitoring Wells
- Damaged or Missing Wells
- Overburden Monitoring Wells
- Recovery Wells
- Roxy Tax Parcel
- SVP Locations
- Site Location

N

0 100 200

Feet

Map Date: 1/22/2025

NEW YORK STATE | Department of Environmental Conservation

Figure 8
November 2024 Analytical Air Data

Roxy Cleaners (442024)
Wynantskill, NY

\\svracusefp\Syracuse\GIS\data\StateandLocal\Roxy Cleaners\PROJECTS\ArcPro (aprx)\2024 Semi Annual Reports\2024 Semi Annual Reports.aprx

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Appendix A

Daily Field Reports

NYSDEC Division of Environmental Remediation	**EA Engineering ang Geology, P.C.** 333 W Washington St Syracuse, New York 13202	**EA Contract No. D009806**

Site Location: Wynantskill, New York

PES Superintendent: N/A

NYSDEC PM: Charles Gregory

EA PM: Chris Sanson

EA Site Inspector: Katherine Cassidy

Weather Conditions

General Description	Cloudy	AM	Cloudy	PM
Temperature	60° F	AM	61° F	PM
Wind	8 mph SSE	AM	9 mph WSW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

N/A

Summary of Work Performed | Arrived at site: 0900 | Departed Site: 1700

(0900) K. Cassidy, C. Derrick, and A. Townsend (EA) arrived onsite for semiannual groundwater sampling and air sampling. (0930) EA calibrated Horibas and PIDs. (1000) EA began a site wide gauging event. The following monitoring wells could not be found and have historically not been found MW-101, MW-101A, MW-105A, MW-107. (1138) EA began purging monitoring wells. See table below with purging and sampling details. (1700) M. Gilkey, K. Cassidy, and C. Derrick (EA) offsite.

Well ID	Date	Purge Start Time	Sample Time	Analytes
MW-115A	11/11/24	1238	1408	**VOCs 8260 (+ MS/MSD)**
MW-3B	11/11/24	1307	1337	**VOCs 8260**
MW-3	11/11/24	1358	1427	**VOCs 8260**
MW-104	11/11/24	1500	1527	**VOCs 8260**
MW-114A	11/11/24	1502	1532	**VOCs 8260**
MW-1	11/11/24	1545	1615	**VOCs 8260**
MW-109	11/11/24	1558	1625	**VOCs 8260 (+ FD-01)**

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA (X)
Were there any vehicles which were not tarped?	*Yes	No	NA (X)
Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes	No	NA (X)

Personnel and Equipment

Individual	Company	Trade	Total Hours
Katherine Casidy	EA	Scientist	8
Cassandra Derrick	EA	Geologist	8
Amanda Townsend	EA	Engineer	8

Equipment Description	Contractor/Vendor	Quantity	Used
Solnist Water level meter	Pine Environmental	3	Y
Horiba	Pine Environmental	3	Y
Geotech Peristaltic Pump	Pine Environmental	3	Y
Chevy Silverado	Enterprise	2	Y
Hand Tools	EA	-	Y
Honeywell ppbRAE 3000+	Pine Environmental	2	Y

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
*On-Site scale for off-site shipment, delivery ticket for material received						

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
Katherine Cassidy	**EA**

Project Schedule Comments
N/A

Issues Pending
N/A

Interaction with Public, Property Owners, Media, etc.
N/A

Site Photographs (Descriptions Below)

Groundwater purge setup at MW-109.

Comments

N/A

Site Inspector(s): K. Cassidy

Date: 11/11/2024

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NYSDEC Division of Environmental Remediation	**EA Engineering ang Geology, P.C.** 333 W Washington St Syracuse, New York 13202	**EA Contract No. D009806**

Site Location: Wynantskill, New York

PES Superintendent: N/A

NYSDEC PM: Charles Gregory

EA PM: Chris Sanson

EA Site Inspector: Katherine Cassidy

Weather Conditions

General Description	Cloudy	AM	Cloudy	PM
Temperature	45° F	AM	48° F	PM
Wind	18 mph NW	AM	14 mph N	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

N/A

Summary of Work Performed	Arrived at site:	0745	Departed Site:	1715

(0745) K. Cassidy, C. Derrick, and A. Townsend (EA) arrived onsite for semiannual groundwater sampling and air sampling. (0810) EA calibrated Horibas and PID. (0835) EA began purging monitoring wells (see table below with purging and sampling details). (0915) M. Gilkey (EA) onsite. (0920) Conducted monthly fire extinguisher inspection. Conducted auditory inspection of SSDS systems (systems are running). (1001) Set IA-195; start pressure -29.77. (1007) Set SVP-195; start pressure -29.78. (1027) Set IA-184; start pressure -29.99. (1035) Set SVP-184; star pressure -29.91. (1104) Set SV-1; start pressure -29.88. (1135) Set SV-2; start pressure -29.85. (1149) Set SV-3; start pressure -30.19. (1205) Set SV-4; start pressure -30.23. (1216) Set OA-184; start pressure -29.91. (1220) M. Gilkey (EA) offsite. (1715) K. Cassidy, C. Derrick, A. Townsend (EA) offsite.

Well ID	Date	Purge Start Time	Sample Time	Analytes
MW-4B	11/12/24	0835	0915	**VOCs 8260**
MW-4	11/12/24	0842	0918	**VOCs 8260**
MW-108A	11/12/24	1123	1150	**VOCs 8260**
MW-108	11/12/24	1126	1155	**VOCs 8260**
MW-106A	11/12/24	1211	1241	**VOCs 8260**
MW-106	11/12/24	1218	1245	**VOCs 8260**
MW-105	11/12/24	1323	1350	**VOCs 8260**
MW-2	11/12/24	1408	1456	**VOCs 8260**
MW-2B	11/12/24	1419	1450	**VOCs 8260**
MW-107A	11/12/24	1437	1507	**VOCs 8260**
MW-103A	11/12/24	1530	1600	**VOCs 8260**
TW-5	11/12/24	1530	1557	**VOCs 8260**
MW-111	11/12/24	1532	1559	**VOCs 8260**
TW-06*	11/12/24	1615	-	

*Well went dry at 1636; purging paused for the day to be resumed 11/13.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA (X)
Were there any vehicles which were not tarped?	*Yes	No	NA (X)
Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes	No	NA (X)

Personnel and Equipment

Individual	Company	Trade	Total Hours
Katherine Casidy	EA	Scientist	9.5
Cassandra Derrick	EA	Geologist	9.5
Amanda	EA	Engineer	9.5

Townsend			
Moriah Gilkey	EA	Engineer	3

Equipment Description	Contractor/Vendor	Quantity	Used
Solnist Water level meter	Pine Environmental	3	Y
Horiba	Pine Environmental	3	Y
Geotech Peristaltic Pump	Pine Environmental	3	Y
Chevy Silverado	Enterprise	2	Y
Hand Tools	EA	-	Y
Honeywell ppbRAE 3000+	Pine Environmental	2	Y
Gillian Gilair pump	Pine Environmental	1	Y

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
Katherine Cassidy	**EA**

Project Schedule Comments
N/A

Issues Pending
N/A

Interaction with Public, Property Owners, Media, etc.
N/A

Site Photographs (Descriptions Below)

Setup at TW-5

Fire extinguisher inside treatment building inspected 11/12

Cleaners in Stewart's (195 Main) storage room	SVP-195

Comments

N/A

Site Inspector(s): K. Cassidy	**Date: 11/12/2024**

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

NYSDEC Division of Environmental Remediation	**EA Engineering ang Geology, P.C.** 333 W Washington St Syracuse, New York 13202	**EA Contract No. D009806**
Site Location: Wynantskill, New York		PES Superintendent: N/A
		NYSDEC PM: Charles Gregory
		EA PM: Chris Sanson
		EA Site Inspector: Katherine Cassidy

Weather Conditions

General Description	Partly cloudy	AM	Clear	PM
Temperature	33° F	AM	42° F	PM
Wind	3 mph N	AM	7 mph N	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No X	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No X	NA

Health & Safety Comments

N/A

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1230

(0730) K. Cassidy, C. Derrick, and A. Townsend (EA) arrived onsite for semiannual groundwater sampling and air sampling. (0735) EA calibrated Horibas. (0745) Walked around to check the pressure of all air cans. (0808) EA began purging monitoring wells (see table below with purging and sampling details). (1033) Start collecting air cans (see table below with sample collection details). (1220) Complete purging all purge water from drum through carbon bucket. Secured treatment building. (1230) EA offsite.

Well ID	Date	Purge Start Time	Sample Time	Analytes
MW-115A	11/11/24	1238	1408	**VOCs 8260 (+ MS/MSD)**
MW-3B	11/11/24	1307	1337	**VOCs 8260**
MW-3	11/11/24	1358	1427	**VOCs 8260**
MW-104	11/11/24	1500	1527	**VOCs 8260**
MW-114A	11/11/24	1502	1532	**VOCs 8260**
MW-1	11/11/24	1545	1615	**VOCs 8260**
MW-109	11/11/24	1558	1625	**VOCs 8260 (+ FD-01)**
MW-4B	11/12/24	0835	0915	**VOCs 8260**
MW-4	11/12/24	0842	0918	**VOCs 8260**
MW-108A	11/12/24	1123	1150	**VOCs 8260**
MW-108	11/12/24	1126	1155	**VOCs 8260**
MW-106A	11/12/24	1211	1241	**VOCs 8260**
MW-106	11/12/24	1218	1245	**VOCs 8260**
MW-105	11/12/24	1323	1350	**VOCs 8260**
MW-2	11/12/24	1408	1456	**VOCs 8260**
MW-2B	11/12/24	1419	1450	**VOCs 8260**
MW-107A	11/12/24	1437	1507	**VOCs 8260**
MW-103A	11/12/24	1530	1600	**VOCs 8260**
TW-5	11/12/24	1530	1557	**VOCs 8260**
MW-111	11/12/24	1532	1559	**VOCs 8260**
TW-08	11/13/24	0808	0844	**VOCs 8260**
TW-06	11/13/24	0818	0848	**VOCs 8260 (+ FD-02)**
TW-07	11/13/24	0823	0950	**VOCs 8260**
TW-09	11/13/24	0910	0937	**VOCs 8260**
TW-10	11/13/24	0925	0954	**VOCs 8260 (+ MS/MSD)**

Point ID	Sample start time	Int. Pressure (" Hg)	PID Reading (ppm)	Sample Stop Time	Final Pressure (" Hg)
SV-1	1104	-29.88	0.2	1101	-4.49
SV-2	1135	-29.85	0.2	1128	-5.75
SV-3	1149	-30.19	0.2	1051	-5.63
SV-4	1205	-30.23	0.2	1202	-8.50

SV-5	Unable to sample				
SVP-195 Sub Slab	1007	-29.78	0.5	1118	-5.56
IA-195	1001	-29.77	0.3	1119	-7.34
SVP-184 Sub slab	1035	-28.62	1034	1106	-4.41
IA-184	1027	-29.99	0.4	1033	-9.33
OA-195	1216	-29.91	0.0	1216	-6.16

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA (X)
Were there any vehicles which were not tarped?	*Yes	No	NA (X)
Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes	No	NA (X)

Personnel and Equipment

Individual	Company	Trade	Total Hours
Katherine Casidy	EA	Scientist	5
Cassandra Derrick	EA	Geologist	5
Amanda Townsend	EA	Engineer	5

Equipment Description	Contractor/Vendor	Quantity	Used
Solnist Water level meter	Pine Environmental	3	Y
Horiba	Pine Environmental	3	Y
Geotech Peristaltic Pump	Pine Environmental	3	Y
Chevy Silverado	Enterprise	2	Y
Hand Tools	EA	-	Y
Honeywell ppbRAE 3000+	Pine Environmental	2	N
Gillian Gilair pump	Pine Environmental	1	N

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site			
Name	**Representing**	**Entered Exclusion/CRZ Zone**	
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**
Katherine Cassidy	**EA**

Project Schedule Comments
N/A

Issues Pending
N/A

Interaction with Public, Property Owners, Media, etc.
N/A

Site Photographs (Descriptions Below)

Collecting air can at SV-2

Setup at TW-7

Empty drum (on left) after purge water was purged

Drum with air can OA-195; carbon bucket used for purge

through carbon bucket.	water disposal

Comments

N/A

Site Inspector(s): K. Cassidy	**Date: 11/13/2024**

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☐	N/A☒
Was noise outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the Montauk Highway outfall?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments:			

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Appendix B

Field Forms

INDOOR AIR SAMPLING FORM

Project No.
Project Name: Roxy Cleaners
Location: Wynantskill, NY
Project Manager: Chris Samson

Sample Location Information:

Site ID Number:	442024	Sampler(s):	K. Cassidy
PID Meter Used: (Model, Serial #)	Honeywell MiniRAE 3000 (461554)	Building I.D. No.:	Separate #5 184

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	01411	Flow Regulator No.		Flow Regulator No.	01624	Flow Regulator No.	0237
Canister Serial No.	757	Canister Serial No.:		Canister Serial No.:	2053	Canister Serial No.:	1979
Start Date/Time:	11/12/2024 1027	Start Date/Time:		Start Date/Time:	11/12/2024 1035	Start Date/Time:	11/12/24 1246
Start Pressure: (inches Hg)	-29.99	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-28.62	Start Pressure: (inches Hg)	-29.91
Stop Date/Time:	11/13/2024 1033	Stop Date/Time:		Stop Date/Time:	11/13/2024 1034	Stop Date/Time:	
Stop Pressure: (inches Hg)	-9.33	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	-4.41	Stop Pressure: (inches Hg)	
Sample ID:	442024-IA-184-20241113	Sample ID:		Sample ID:	442024-SVP-184-20241113	Sample ID:	442024-OA-195-20241113

Other Sampling Information:

Story/Level	1st floor	Story/Level		Basement or Crawl Space?	1st floor slab	Direction from Building	East
Room	Back storage room	Room		Floor Slab Thickness (inches) *[if present]*		Distance from Building	5 ft.
Indoor Air Temp (°F)	73°F	Indoor Air Temp		Potential Vapor Entry Points Observed?	no	Intake Height Above Ground Level (ft.)	5 ft.
Barometric Pressure?		Barometric Pressure?		Ground Surface Condition (Crawl Space Only)	N/A	Intake Tubing Used?	N/A
Intake Height Above Floor Level (ft.)	5 ft.	Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height		Distance to nearest Roadway	50 ft.
Noticeable Odor?	no	Noticeable Odor?		Noticeable Odor?	no	Noticeable Odor?	NO
PID Reading (ppb)	0.4	PID Reading (ppb)		PID Reading (ppb)	0.6	PID Reading (ppb)	0.3
Duplicate Sample?	no	Duplicate Sample?		Duplicate Sample?	no	Duplicate Sample?	NO

Comments:

Sampler Signature:

INDOOR AIR SAMPLING FORM

EA®	Project No. Project Name: Roxy Cleaners Location: Wyllanmtskill, NY Project Manager: Chris Sanson

Sample Location Information:

Site ID Number:	442024	Sampler(s):	K. Cassidy
PID Meter Used: (Model, Serial #)	Honeywell MiniRAE 3000 (46554)	Building I.D. No.:	Meat Store 195

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	02214	Flow Regulator No.		Flow Regulator No.	0139	Flow Regulator No.	0257
Canister Serial No.	1556	Canister Serial No.:		Canister Serial No.:	2102	Canister Serial No.:	1979
Start Date/Time:	11/12/2024 1001	Start Date/Time:		Start Date/Time:	11/12/2024 1007	Start Date/Time:	11/12/24 1216
Start Pressure: (inches Hg)	-29.77	Start Pressure: (inches Hg)		Start Pressure: (inches Hg)	-29.78	Start Pressure: (inches Hg)	-29.91
Stop Date/Time:	11/13/2024 1119	Stop Date/Time:		Stop Date/Time:	11/13/2024 1118	Stop Date/Time:	1216
Stop Pressure: (inches Hg)	-7.34	Stop Pressure: (inches Hg)		Stop Pressure: (inches Hg)	-5.56	Stop Pressure: (inches Hg)	-6.16
Sample ID:	442024-IA-195-20241113	Sample ID:		Sample ID:	442024-SVP-195-20241113	Sample ID:	442024-OA-195-20241113

Other Sampling Information:

Story/Level	1st floor	Story/Level		Basement or Crawl Space?	1st floor slab	Direction from Building	East
Room	office room	Room		Floor Slab Thickness (inches) *[if present]*		Distance from Building	5ft
Indoor Air Temp (°F)	73°F	Indoor Air Temp		Potential Vapor Entry Points Observed?	no	Intake Height Above Ground Level (ft.)	5ft.
Barometric Pressure?		Barometric Pressure?		Ground Surface Condition (Crawl Space Only)	N/A	Intake Tubing Used?	NA
Intake Height Above Floor Level (ft.)	6 ft	Intake Height Above Floor Level (ft.)		If slab, intake Depth If Crawl Space, intake height		Distance to nearest Roadway	50 ft.
Noticeable Odor?	no	Noticeable Odor?		Noticeable Odor?	no	Noticeable Odor?	No
PID Reading (ppb)	0.3	PID Reading (ppb)		PID Reading (ppb)	0.5	PID Reading (ppb)	0.3
Duplicate Sample?	no	Duplicate Sample?		Duplicate Sample?	no	Duplicate Sample?	ND.

Comments:

Sampler Signature:

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project Name: Roxy Cleaners
Location: Wynantskill, NY
Project Manager: Chris Sansom

Sample Location Information:

Site ID Number:	442024	Sampler(s):	K. Cassidy
PID Meter Used (Model, Serial #):	Honeywell MiniRAE 3000 (46554)	Soil Vapor I.D. No.:	SV-1

SUMMA Canister Record:

	SOIL VAPOR POINT	DUPLICATE SAMPLE (IF COLLECTED)
Flow Regulator No.:	0499	
Canister Serial No.:	3078	
Start Date/Time:	11/12/2024 1104	
Start Pressure: (inches Hg)	-29.88	
Stop Date/Time:	11/13/2024 1101	
Stop Pressure: (inches Hg)	-4.49	
Sample ID:	442024-SV-1-20241113	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	N/A	Depth to sample point:	
Tracer Gas test result (% of Helium):	N/A	Nearest Groundwater Elevation:	[redacted] ft bTOC
Noticeable Odor?	no	Additional info:	DTW at TW-06 = 8.81 ft bTOC
Purge Volume PID Reading (ppm)	0.2		
Duplicate Sample?	no		
Outdoor Ambient Temperature:	46°F		
Wind Direction:	18 mph NW		

Comments:

Sampler Signature:

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 442024
Project Name: Poly Cleaners
Location: Wynantskill, NY
Project Manager: Chris Lenon

Sample Location Information:

Site ID Number: 442024		Sampler(s):	K. Cassidy
PID Meter Used (Model, Serial #):	Honeywell MiniRae 3000 (460534)	Soil Vapor I.D. No.:	SV-2

SUMMA Canister Record:

SOIL VAPOR POINT		DUPLICATE SAMPLE (IF COLLECTED)	
Flow Regulator No.:	0935	Flow Regulator No.:	
Canister Serial No.:	4338	Canister Serial No.:	
Start Date/Time:	11/12/24 1135	Start Date/Time:	
Start Pressure: (inches Hg)	-29.85	Start Pressure: (inches Hg)	
Stop Date/Time:	11/13/24 1128	Stop Date/Time:	
Stop Pressure: (inches Hg)	-5.75	Stop Pressure: (inches Hg)	
Sample ID: 442024-SV-2-20241113		Sample ID:	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	N/A	Depth to sample point:	(VP)
Tracer Gas test result (% of Helium):	N/A	Nearest Groundwater Elevation:	~~8.810 TW-06~~ (ELEV.)
Noticeable Odor?	No	Additional info:	~~DTW at TW-07 = 8.86 ft btoc~~
Purge Volume PID Reading (ppb)	0.2		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	46°F		
Wind Direction:	15 mph NW		

DTW at TW-07 = 8.86 ft btoc

Comments:

Sampler Signature:

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 442024
Project Name: Roxy Cleaners
Location: Wyandanch, NY
Project Manager: Chris Sawyer

Sample Location Information:

Site ID Number: 442024		Sampler(s):	K. Cassidy
PID Meter Used (Model, Serial #):	Honeywell MiniRae 3000 (405821)	Soil Vapor I.D. No.:	SV-3

SUMMA Canister Record:

SOIL VAPOR POINT		DUPLICATE SAMPLE (IF COLLECTED)	
Flow Regulator No.:	01062	Flow Regulator No.:	
Canister Serial No.:	2047	Canister Serial No.:	
Start Date/Time:	11/12/24 1149	Start Date/Time:	
Start Pressure: (inches Hg)	-30.19	Start Pressure: (inches Hg)	
Stop Date/Time:	11/13/24 1051	Stop Date/Time:	
Stop Pressure: (inches Hg)	-5.63	Stop Pressure: (inches Hg)	
Sample ID: 442024-SV-3-20241113		Sample ID:	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	N/A	Depth to sample point:	
Tracer Gas test result (% of Helium):	N/A	Nearest Groundwater Elevation:	DTW at TW-05 = 9.30 ft bTOC
Noticeable Odor?	No	Additional info:	
Purge Volume PID Reading (ppb)	0.2		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	46°F		
Wind Direction:	18 mph NW		

Comments:

Sampler Signature:

FIELD SOIL VAPOR SAMPLING FORM

SOIL VAPOR SAMPLING LOG

Project #: 442024
Project Name: Roxy Cleaners
Location: Wynantskill, NY
Project Manager: Chris Sanson.

Sample Location Information:

Site ID Number: 442024		Sampler(s):	K. Cassidy
PID Meter Used (Model, Serial #):	Honeywell MiniRae 3000 (465541)	Soil Vapor I.D. No.:	SV-4

SUMMA Canister Record:

	SOIL VAPOR POINT	DUPLICATE SAMPLE (IF COLLECTED)
Flow Regulator No.:	0003	
Canister Serial No.:	2773	
Start Date/Time:	11/12/24 1205	
Start Pressure: (inches Hg)	-30.23	
Stop Date/Time:	11/13/24 1202	
Stop Pressure: (inches Hg)	-8.52	
Sample ID:	442024-SV-4-20241113	

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test:	N/A	Depth to sample point:	
Tracer Gas test result (% of Helium):	N/A	Nearest Groundwater Elevation:	DTW at TW-05 = 10.26 ft BTOC.
Noticeable Odor?	No	Additional info:	
Purge Volume PID Reading (ppb)	0.2		
Duplicate Sample?	No		
Outdoor Ambient Temperature:	46°F		
Wind Direction:	18 mph NW		

Comments:

Sampler Signature:

FIELD CALIBRATION FORM

Site Name: Roxy Cleaners

INSTRUMENT: Honeywell Mini Rae 3000	INSTRUMENT ID No: 46554
OPERATOR: A. Townsend	WEATHER: 55° Cloudy
SPAN GAS TYPE: Isobutylene	DATE: 11/11/24
CALIBRATION NOTES:	
Zero cal: 0.0 ppm	
Span Cal: 100.0 ppm	
COMMENTS:	
SIGNATURE: Amanda Townsend	DATE: 11/11/24

FIELD CALIBRATION FORM

Site Name: Roxy Cleaners

INSTRUMENT: MiniRae 3000	INSTRUMENT ID No: 46554
OPERATOR: K. Cassidy	WEATHER: 50°F, partly
SPAN GAS TYPE: Isobutylene	DATE: 11/12/24 0810
CALIBRATION NOTES:	
Zero cal = 0.0	
Span cal = 100.9	
COMMENTS:	
SIGNATURE: [signature]	DATE: 11/12/24

FIELD CALIBRATION FORM

Site Name: Roxy Cleaners

INSTRUMENT: Mini RAE 3000	INSTRUMENT ID No: 51782
OPERATOR: C. Derrick	WEATHER: 55°F, cloudy
SPAN GAS TYPE: isobutylene	DATE: 11/11/2024
CALIBRATION NOTES:	
Span cal: 100.00 ppm	
Zero/ Air cal: 0.00 ppm.	
COMMENTS: None	
SIGNATURE: [signature]	DATE: 11/11/2024

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/11/2024
TIME: 0920
METER ID: 51936

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.71	3.91

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.11	4.53

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.0	0.3

COMMENTS

None.

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/11/24
TIME: 0925
METER ID: 21379

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	1.75	4.01

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.18	5.11

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.5	0.1

COMMENTS

SIGNATURE

Amanda Townsend

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/11/2024
TIME: 0939
METER ID: 40263

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.04	3.98

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.29	4.52

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	1.5	1.2

COMMENTS

None.

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/12/24
TIME: 0800
METER ID: 519326

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	5.34	3.98

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.40	4.93

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	3.1	0.0

COMMENTS

SIGNATURE

Amanda Townsend

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/12/2024
TIME: 0806
METER ID: 21379

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.32	4.08

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.53	4.49

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.0	0.0

COMMENTS

None.

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/12/2024
TIME: 0810
METER ID: 40263

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.15	3.93

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.75	4.54

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.0	0.0

COMMENTS

None.

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/13/2024
TIME: 0737
METER ID: 21379

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.36	3.93

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.49	4.56

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	4.9	0.0

COMMENTS

None

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/13/2024
TIME: 0739
METER ID:

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.15	3.98

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.81	4.99

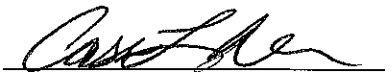
TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	1.3	0.0

COMMENTS

None

SIGNATURE



FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 11/13/2024
TIME: 0742
METER ID: 51936

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	5.75	3.97

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.55	4.54

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	31.8	0.0

COMMENTS

None.

SIGNATURE

MONITORING WELL GAUGING LOG

Site Name: Roxy Cleaners (042024)

Inspector(s): K. Cassidy, C. Derrick, A. Townsend

Date/Time: 11/11/24, 1000

Weather Conditions: 58F, Cloudy

Well ID	PID Reading (ppm)	DTW (ft. below TOC)	DTB (ft. below TOC)	Well Condition / Notes
MW-1	0.2	13.53	54.98	Good
MW-2	0.0	10.1	38.55	Good
MW-3	0.0	8.51	31.09	Good
MW-4	0.2	7.48	48.17	Good
MW-103A	0.1	10.12	19.66	Good
MW-105A	Not located			
MW-106A	0.0	10.96	28.2	Good
MW-107A	0.0	9.5	46.75	Damaged j-plug, sounding depths do not match
MW-108A	0.0	7.32	22.27	Good
MW-111	0.1	9.75	20.51	Good
TW-5	0.0	10.26	16.2	Good
MW-114A	0.0	8.15	40.9	Good
MW-115A	0.0	6.8	30.26	Good
TW-06	0.1	8.81	21.8	Good
TW-07	0.1	8.86	23.27	Good

MONITORING WELL GAUGING LOG

Site Name: Roxy Cleaners (042024)

Inspector(s):

Date/Time:

Weather Conditions:

Well ID	PID Reading (ppm)	DTW (ft. below TOC)	DTB (ft. below TOC)	Well Condition / Notes
TW-08	1.6	9.3	23.3	Good
TW-09	8.0	9.76	18.62	Good
TW-10	0.4	8.8	17.95	Fair
MW-2B	0.0	12.64	65.1	Fair
MW-3B	0.0	7.15	58.38	Good
MW-4B	0.0	7.46	81.05	No j-plug
MW-101	Not located			
MW-104	0.1	23.98	49.21	Good
MW-105	0.0	4.84	82.76	No j-plug
MW-106	0.0	11.28	53.62	Good
MW-108	0.1	7.17	43.7	Good
MW-109	0.0	7.2	42.95	Good

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 58°F Cloudy
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Flush	Gauge Time: 1030	Well Diameter (in): 4 in steel

Purge Date: 11/11/24	Purge Time: 1545
Purge Method: LOW-FLOW	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 54.98	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: ~ -4 in
B. Depth to Water (ft): 13.53	E. Well Volume (gal) C*D): 27.07	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 41.45	F. Three Well Volumes (gal) (E3): 81.20	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1548	15.49	12.88	-183	0.355	36.7	0.33	13.58	0.25	—
1551	15.51	13.83	-253	0.353	28.5	0.01	13.76	|	0.75
1554	15.54	14.00	-275	0.352	24.7	0.00	14.00	|	1.50
1557	15.56	14.00	-280	0.352	18.4	0.00	14.22	|	2.25
1600	15.54	14.00	-286	0.352	18.4	0.00	14.38	|	3.00
1603	15.53	14.00	-290	0.351	17.4	0.00	14.48	|	3.75
1606	15.52	14.00	-291	0.351	19.9	0.00	14.58	|	4.50
1609	15.54	14.00	-292	0.351	17.2	0.00	14.71	|	5.25
1612	15.52	14.00	-292	0.351	16.7	0.00	14.79	|	6.00
1615	15.51	14.00	-294	0.351	16.6	0.00	14.82	|	6.75
				SAMPLE					

Total Quantity of Water Removed (gal):	1.75 gal	Sampling Time:	1615
Samplers:	A. Townsend	Split Sample With:	—
Sampling Date:	11/11/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID: 0.2 ppm
Sample ID: 442024-MW-1-20241111
Analysis: VOCs

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2 (D)	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: (D) fair	Weather: 46°F, partly cloudy
Sounding Method: Heron Dipper-T	Gauge Date: 11/11/2024	Measurement Ref: TOIC
Stick Up/Down (ft): stick up	Gauge Time: 1030	Well Diameter (in): 2 in

Purge Date: 11/12/2024	Purge Time: 1408
Purge Method: low flow peristaltic pump	Field Technician: C. Derrick

Well Volume

A. Well Depth (ft): (D) 38.55	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~-3 in
B. Depth to Water (ft) (D) ~~12.64~~ 10.10	E. Well Volume (gal) C*D: 4.64	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 28.45	F. Three Well Volumes (gal) (E3): 13.91	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1408	14.75	9.85	90	0.669	102	2.79	13.11	0.25	—
1411	15.03	9.80	84	0.676	84.7	2.10	13.12		0.75
1414	14.99	9.87	96	0.672	61.4	1.62	13.12		1.50
1417	15.02	9.92	102	0.669	30.2	1.49	13.12		2.25
1420	14.96	9.84	104	0.667	28.6	1.45	13.13		3.00
1423	14.98	9.85	103	0.665	23.1	1.42	13.13		3.75
1426	14.91	9.82	105	0.662	20.2	1.26	13.13		4.50
1429	14.89	9.80	104	0.661	18.3	1.25	13.13		5.25
1432	14.87	9.71	107	0.660	15.6	1.26	13.14		6.00
1435	14.88	9.67	107	0.659	16.2	1.29	13.14		6.75
1438	14.85	9.56	107	0.658	10.5	1.27	13.14		7.50
1441	14.80	9.41	108	0.657	10.2	1.22	13.14		8.25
1444	14.75	9.19	112	0.656	12.9	1.26	13.14		9.00
1447	14.77	9.16	110	0.657	12.7	1.30	13.14		9.75
1450	14.68	9.08	113	0.655	7.5	1.18	13.14		10.50
1453	14.57	9.06	116	0.656	7.6	1.22	13.14		11.25
1456	14.55	9.03	114	0.657	7.4	1.20	13.14		12.00

Total Quantity of Water Removed (gal):	3.17	Sampling Time:	1456
Samplers:	C. Derrick	Split Sample With:	—
Sampling Date:	11/12/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID = 0.0 ppm
Analysis: VOCs
Sample ID: 442024-MW-2-20241112

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2B	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 46°F Sunny
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Stick Up ~4'	Gauge Time: 1000	Well Diameter (in): 4

Purge Date: 11/12/24	Purge Time: 1419
Purge Method: Low-flow	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 65.10	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC:
B. Depth to Water (ft): 12.64	E. Well Volume (gal) C*D: 31.26	Pump Type: peri-pump
C. Liquid Depth (ft) (A-B): 52.46	F. Three Well Volumes (gal) (E3): 102.77	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1420	16.25	8.58	-25	0.510	2.7	0.13	13.0	0.28	—
1423	16.05	8.16	-57	0.518	1.5	0.00			
1426	15.97	8.107	-71	0.519	1.3	0.00			
1429	16.03	8.107	-126	0.521	1.4	0.00			
1432	16.05	8.108	-148	0.521	1.9	0.00			
1435	16.04	8.108	-163	0.520	2.0	0.00			
1438	15.93	8.108	-181	0.519	2.0	0.00	13.50		
1441	15.82	8.107	-190	0.521	1.7	0.00			
1444	15.57	8.104	-202	0.527	1.8	0.00			
1447	15.101	8.103	-206	0.527	1.9	0.00			
1450	15.48	8.101	-212	0.528	2.0	0.00	14.84		

Total Quantity of Water Removed (gal): —
Samplers: A. Townsend
Sampling Date: 11/12/24
Sampling Time: 1450
Split Sample With: —
Sample Type: grab

COMMENTS AND OBSERVATIONS: PID: 0.0 ppm
Sample ID: 442024-MW-2B-20241112
Analysis: VOCs

NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-3	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 60°F Cloudy
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Stick Up ~ 3'	Gauge Time: 1030	Well Diameter (in): 2"

Purge Date: 11/11/24	Purge Time: 1350
Purge Method: LOW-flow	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 31.09	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 4"
B. Depth to Water (ft): 8.51	E. Well Volume (gal) C*D: 3.68	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 22.58	F. Three Well Volumes (gal) (E3): 11.04	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1351	16.11	7.44	177	0.564	31.7	6.33	8.60	0.28	—
1354	15.106	7.76	153	0.553	21.7	5.68			
1357	15.65	7.76	160	0.553	19.2	5.49			
1400	15.65	7.75	163	0.552	17.2	5.42			
1403	15.62	7.74	165	0.551	10.8	5.34	8.57		
1406	15.601	7.74	170	0.550	9.5	5.20			
1409	15.56	7.73	174	0.550	3.4	5.10			
1412	15.52	7.74	176	0.550	2.4	4.95			
1415	15.49	7.75	176	0550	1.4	4.88	8.56		
1418	15.45	7.78	170	0.550	1.3	4.80			
1421	15.44	7.80	170	0.550	0.4	4.80			
1424	15.43	7.81	169	0.550	0.4	4.79			
1427	15.42	7.82	168	0.550	0.4	4.78	8.56		

Total Quantity of Water Removed (gal):		Sampling Time:	1427
Samplers:	A. Townsend, C. Derrick	Split Sample With:	—
Sampling Date:	11/11/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID: 0.0 ppm
Sample ID: 442024-MW-3-20241111
Analysis: VOCs

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-3B	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: good	Weather: 58°F, overcast
Sounding Method: Heron dipper-T	Gauge Date: 11/11/2024	Measurement Ref: TOIC
Stick Up/Down (ft): stick up ~3 ft	Gauge Time: 1030	Well Diameter (in): 4 in

Purge Date: 11/11/2024	Purge Time: 1307
Purge Method: low flow peristaltic pump	Field Technician: C. Derrick, A. Townsend

Well Volume

A. Well Depth (ft): 58.38	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: ~-3 in
B. Depth to Water (ft): 7.15	E. Well Volume (gal) C*D): 33.45	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 51.23	F. Three Well Volumes (gal) (E3): 100.36	Pump Intake Depth: mid-screen (~47.5 ft btoic)

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (l.pm)	Volume (liters)
1307	15.40	6.71	29	0.880	11.8	6.67	7.31	0.25	—
1310	15.35	7.18	-88	0.845	8.8	6.00	7.31	|	0.75
1313	15.24	7.69	-161	0.833	8.0	5.55	7.30	|	1.50
1316	15.17	7.96	-204	0.828	8.1	5.44	7.30	|	2.25
1319	15.14	8.09	-234	0.825	8.0	5.24	7.30	|	3.00
1322	15.09	8.16	-249	0.824	8.1	5.06	7.30	|	3.75
1325	15.06	8.23	-264	0.821	8.4	4.78	7.29	|	4.50
1328	15.03	8.25	-270	0.820	8.8	4.67	7.29	|	5.25
1331	14.98	8.28	-278	0.819	8.7	4.46	7.29	|	6.00
1334	14.99	8.29	-281	0.817	8.8	4.32	7.29	|	6.75
1337	14.97	8.29	-281	0.816	8.7	4.25	7.29	|	7.50
				SAMPLE					

Total Quantity of Water Removed (gal):	1.98 gal	Sampling Time:	1337
Samplers:	C. Derrick A. Townsend	Split Sample With:	X
Sampling Date:	11/11/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID = 0.0 ppm
Analysis: VOCs
SAMPLE ID: 442024-MW-3B-20241111

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-4 (CD)	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 44°F, partly cloudy
Sounding Method: Heron Dipper-T	Gauge Date: 11/11/2024	Measurement Ref: TOIC
Stick Up/Down (ft): stick up ~ 3 ft	Gauge Time: 1030	Well Diameter (in): 2 in

Purge Date: 11/12/2024	Purge Time: 0842
Purge Method: low flow peristaltic pump	Field Technician: C. Derrick

Well Volume

A. Well Depth (ft): 48.17	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~ - 3 in
B. Depth to Water (ft): (CD) 7.48	E. Well Volume (gal) C*D): 6.63	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 40.69	F. Three Well Volumes (gal) (E3): 19.90	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0842	13.98	7.61	66	0.771	16.4	2.72	7.53	0.25	—
0845	14.01	8.23	1	0.758	10.1	1.13	7.54	|	0.75
0848	13.96	8.57	-10	0.755	8.5	1.25	7.54	|	1.50
0851	13.93	9.02	-17	0.753	8.7	0.83	7.54	|	2.25
0854	13.93	9.22	-18	0.752	7.7	0.69	7.55	|	3.00
0857	13.91	9.50	-22	0.749	7.0	0.47	7.55	|	3.75
0900	13.93	9.56	-21	0.749	6.4	0.32	7.54	|	4.50
0903	13.88	9.65	-24	0.749	4.4	0.24	7.53	|	5.25
0906	13.88	9.73	-26	0.749	4.7	0.16	7.52	|	6.00
0909	13.88	9.88	-26	0.751	3.8	0.28	7.52	|	6.75
0912	13.86	9.97	-26	0.750	3.0	0.29	7.52	|	7.50
0915	13.84	10.02	-29	0.749	3.2	0.33	7.53	|	8.25
0918	13.85	10.06	-30	0.750	2.9	0.36	7.53	|	9.00
				SAMPLE					

Total Quantity of Water Removed (gal):	2.38 gal	Sampling Time:	0918
Samplers:	C. Derrick	Split Sample With:	—
Sampling Date:	11/12/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID = 0.2 ppm
Analysis: VOCs
SAMPLE ID: 442024-MW-4-20241112

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-4B	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 42°F Sunny
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Stick UP ~3'	Gauge Time: 1030	Well Diameter (in): 4"

Purge Date: 11/12/24	Purge Time: 0835
Purge Method: Low-flow	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 81.05	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC:
B. Depth to Water (ft): 7.46	E. Well Volume (gal) C*D): 48.05	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 73.59	F. Three Well Volumes (gal) (E3): 144.16	Pump Intake Depth: mid screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0836	14.28	6.99	7.1	0.372	8.3	0.0	7.58	0.78	—
0839	14.43	7.83	-60	0.367	6.1	0.0	7.58		
0842	14.44	7.98	-101	0.3606	4.5	0.0	7.58		
0845	14.53	8.08	-121	0.3605	4.6	0.0	7.59		
0848	14.30	8.36	-142	0.3604	5.1	0.0	7.59		
0851	14.31	8.42	-152	0.3603	5.1	0.0	7.60		
0854	14.29	8.57	-192	0.362	4.7	0.0	7.60		
0857	14.28	8.60	-201	0.362	4.4	0.0	7.60		
0900	14.29	8.64	-211	0.362	4.3	0.0	7.60		
0903	14.28	8.67	-233	0.362	4.4	0.0	7.60		
0906	14.28	8.70	-237	0.361	4.3	0.0	8.00		
0909	14.30	8.71	-246	0.361	4.3	0.0	8.00		
0912	14.31	8.72	-248	0.361	4.2	0.0	8.00		
0915	14.32	8.72	-248	0.361	4.1	0.0	8.00		

Total Quantity of Water Removed (gal):		Sampling Time:	0915
Samplers:	A. Townsend	Split Sample With:	
Sampling Date:	11/12/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID: 0.0 ppm
Sample ID: 442024-MW4B-20241112
Analysis: VOCs

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-103A	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 45°F Sunny
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Flush	Gauge Time: 1030	Well Diameter (in): 2"

Purge Date: 11/12/24	Purge Time: 1530
Purge Method: Low-flow	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 19.166	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 2"
B. Depth to Water (ft): 10.12	E. Well Volume (gal) C*D: 1.56	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 9.54	F. Three Well Volumes (gal) (E3): 4.167	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1530	15.69	7.45	91	0.301	710.7	0.16	10.40	0.28	—
1533	15.73	7.33	88	0.302	71.2	0.0	10.40		
1536	15.74	7.22	86	0.303	57.7	0.0	10.40		
1539	15.92	7.08	86	0.302	41.8	0.00	10.40		
1542	15.92	7.01	90	0.301	33.9	0.35	10.40		
1545	15.92	6.96	95	0.300	27.8	0.21	10.40		
1548	15.96	6.93	99	0.298	21.9	0.17	10.40		
1551	16.00	6.92	100	0.296	20.5	0.15	10.40		
1554	15.98	6.91	104	0.296	16.3	0.04	10.40		
1557	15.99	6.89	109	0.295	15.9	0.01	10.40		
1600	16.01	6.88	111	0.294	15.4	0.0	10.40		

Total Quantity of Water Removed (gal):		Sampling Time:	1600
Samplers:	A. Townsend	Split Sample With:	—
Sampling Date:	11/12/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID: 0.1 ppm
Sample ID: 442024-MW-103A-20241112
Analysis: VOCs

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: ~~MW-3~~ MW-104	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: good	Weather: 59°F, cloudy
Sounding Method: Heron dipper-T	Gauge Date: 11/11/2024	Measurement Ref: TOIC
Stick Up/Down (ft): stick up ~ 2 ft	Gauge Time: 1030	Well Diameter (in): 4 in PVC

Purge Date: 11/11/2024	Purge Time: 1500
Purge Method: low flow peristaltic pump	Field Technician: C. Derrick, A. Townsend

Well Volume

A. Well Depth (ft): 49.21	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: ~~0~~ in
B. Depth to Water (ft): 23.98	E. Well Volume (gal) C*D): 16.48	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 25.23	F. Three Well Volumes (gal) (E3): 49.43	Pump Intake Depth: mid-screen (~ 39-40 ft bTOIC)

✓ ✓ ✓ Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1500	15.14	8.00	196	0.471	0.0	6.88	23.94	0.25	—
1503	14.53	8.20	200	0.472	0.0	6.80	24.52	|	0.75
1506	14.18	8.29	204	0.474	0.0	6.75	24.74	|	1.50
1509	14.16	8.34	206	0.474	0.6	6.64	24.91	|	2.25
1512	14.10	8.38	209	0.475	0.6	6.61	25.00	|	3.00
1515	14.08	8.44	211	0.475	1.2	6.63	25.17	|	3.75
1518	14.10	8.58	213	0.475	1.8	6.58	25.34	|	4.50
1521	14.03	8.59	215	0.476	1.3	6.48	25.56	|	5.25
1524	13.98	8.63	215	0.476	1.3	6.56	25.73	|	6.00
1527	13.98	8.67	216	0.476	1.3	6.45	25.87	|	6.75
				SAMPLE					

Total Quantity of Water Removed (gal):	1.78 gal	Sampling Time:	1527
Samplers:	C. Derrick, A. Townsend	Split Sample With:	~~✓~~
Sampling Date:	11/11/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 0.1 ppm
Analysis = VOCs
SAMPLE ID: 442024-MW-104-20241111

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-105	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: ND j-plug; good	Weather: 48°F, mostly cloudy
Sounding Method: Heron WLM	Gauge Date: 11/11/24	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1000	Well Diameter (in): 4

Purge Date: 11/12/24	Purge Time: 1323
Purge Method: Low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 82.76	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: -
B. Depth to Water (ft): 4.84	E. Well Volume (gal) C*D: 50.88	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 77.92	F. Three Well Volumes (gal) (E3): 152.6	Pump Intake Depth: ~77.76

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1323	15.13	6.96	178	0.189	21.6	6.44	5.20	0.25	-
1326	15.10	9.91	134	0.200	15.2	5.16	5.25	0.25	0.75
1329	15.11	9.19	102	0.186	12.1	4.29	5.25	0.25	1.50
1332	15.12	9.20	100	0.185	11.9	4.35	5.25	0.25	2.25
1335	15.11	9.19	68	0.181	10.1	4.25	5.25	0.25	3.00
1338	15.12	9.18	65	0.160	2.1	4.22	5.25	0.25	3.75
1341	15.20	9.15	58	0.159	2.7	4.17	5.25	0.25	4.50
1344	15.18	9.15	57	0.159	2.8	4.07	5.25	0.25	5.25
1347	15.19	9.10	55	0.159	1.8	4.02	5.25	0.25	6.00
1350	15.22	9.04	52	0.161	1.1	3.98	5.25	0.25	6.75

Total Quantity of Water Removed ~~(gal)~~:	6.75 L	Sampling Time:	1350
Samplers:	KC	Split Sample With:	—
Sampling Date:	11/12/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-106	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: good	Weather: 45°F, mostly cloudy
Sounding Method: Heron Dipper-T	Gauge Date: 11/11/2024	Measurement Ref: TOIC
Stick Up/Down (ft): stickup ~3ft	Gauge Time: 1030	Well Diameter (in): 4in

Purge Date: 11/12/2024	Purge Time: 1218
Purge Method: low flow peristaltic pump	Field Technician: C. Derrick

Well Volume

A. Well Depth (ft): 53.62	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: ~-6in
B. Depth to Water (ft): 11.28	E. Well Volume (gal) C*D): 27.65	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 42.34	F. Three Well Volumes (gal) (E3): 82.94	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1218	13.86	9.64	185	0.529	4.3	2.41	11.32	0.25	—
1221	14.01	9.90	178	0.521	3.2	1.01	11.71	|	0.75
1224	14.07	10.13	174	0.519	3.2	0.49	11.99	|	1.50
1227	14.11	10.22	170	0.518	2.5	0.48	12.23	|	2.25
1230	14.16	10.22	169	0.518	1.7	0.49	12.40	|	3.00
1233	14.22	10.16	167	0.518	1.6	0.47	12.63	|	3.75
1236	14.28	10.20	165	0.519	1.2	0.51	12.90	|	4.50
1239	14.25	10.24	163	0.519	1.2	0.49	13.01	|	5.25
1242	14.30	10.26	162	0.518	1.1	0.48	13.15	|	6.00
1245	14.29	10.27	161	0.518	1.1	0.49	13.33	|	6.75
—	—	—	—	— SAMPLE	—	—	—	—	—
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Total Quantity of Water Removed (gal):	1.78 gal	Sampling Time:	1245
Samplers:	C. Derrick	Split Sample With:	—
Sampling Date:	11/12/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

PID = 0.0 ppm

Analysis: VOCs

Sample ID: 442024-MW-106-20241112

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-106A	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 45°F Cloudy
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Stick UP ~2'	Gauge Time: 1030	Well Diameter (in): 2"

Purge Date: 11/12/24	Purge Time: 1211
Purge Method: Low-flow	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 28.20	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: +2"
B. Depth to Water (ft): 10.96	E. Well Volume (gal) C*D: 2.81	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 17.24	F. Three Well Volumes (gal) (E3): 8.43	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1214	14.57	7.32	157	0.694	3.1	7.30	11.20	0.18	—
1217	14.92	7.32	151	0.705	8.3	4.34			
1220	14.72	7.34	138	0.709	3.2	2.32	11.09		
1223	14.84	7.34	132	0.701	1.10	2.18			
1226	15.01	7.33	128	0.689	1.5	1.85			
1229	15.13	7.33	126	0.674	1.6	1.60			
1232	15.22	7.32	125	0.660	1.60	1.34			
1235	15.23	7.32	126	0.654	1.10	1.18	11.15		
1238	15.22	7.32	126	0.652	1.5	1.15			
1241	15.22	7.32	126	0.653	1.4	1.14			

Total Quantity of Water Removed (gal): —
Samplers: A. Townsend
Sampling Date: 11/12/24

Sampling Time: 1241
Split Sample With: —
Sample Type: grab

COMMENTS AND OBSERVATIONS:
Sample ID: 442024-MW-106A PID: 0.0 ppm

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-107A	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Fair / J-plug cracked	Weather: 48°F, partly cloudy
Sounding Method: Heron (WLM)	Gauge Date: 11/11/24	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1000	Well Diameter (in): 4

Purge Date: 11/12/2024	Purge Time: 1437
Purge Method: Low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 46.75	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: -
B. Depth to Water (ft): 9.50	E. Well Volume (gal) C*D): 37.38	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B): 57.25	F. Three Well Volumes (gal) (E3): 112.15	Pump Intake Depth: 41.75

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1437	15.24	8.77	160	0.108	19.3	3.37	9.55	0.25	-
1440	15.35	8.77	157	0.107	16.0	3.16	9.55	0.25	0.75
1443	15.37	8.73	149	0.107	11.9	0.31	9.55	0.25	1.50
1446	15.30	8.77	135	0.106	5.3	0.00	9.55	0.25	2.25
1449	15.28	8.77	134	0.106	5.3	0.00	9.55	0.25	3.00
1452	15.25	8.77	129	0.105	4.0	0.00	9.55	0.25	3.75
1455	15.25	8.77	124	0.105	3.0	0.00	9.55	0.25	4.50
1458	15.27	8.77	119	0.105	1.9	0.00	9.55	0.25	5.25
1501	15.25	8.76	112	0.105	0.8	0.00	9.55	0.25	6.00
1504	15.18	8.76	109	0.105	0.5	0.00	9.55	0.25	6.25
1507	15.18	8.76	104	0.105	0.4	0.00	9.55	0.25	7.00

Total Quantity of Water Removed (~~gal~~):	7.00L	Sampling Time:	1507
Samplers:	KC	Split Sample With:	-
Sampling Date:	11/12/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-108	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 45°F Cloudy
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Stick Up ~1'	Gauge Time: 1030	Well Diameter (in): 4"

Purge Date: 11/12/24	Purge Time: 1126
Purge Method: Low-flow	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 43.70	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC:
B. Depth to Water (ft): 7.17	E. Well Volume (gal) C*D: 23.85	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 36.53	F. Three Well Volumes (gal) (E3): 71.56	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1128	14.10	8.41	215	0.651	4.6	3.91	7.10	028	—
1131	13.80	8.34	216	0.655	4.7	3.51			
1134	13.81	8.41	214	0.651	4.2	3.55			
1137	13.93	8.47	212	0.651	3.4	3.36	7.29		
1140	13.88	8.55	211	0.651	3.1	3.62			
1143	13.90	8.60	210	0.651	2.5	3.83			
1146	13.98	8.76	210	0.650	2.1	3.80			
1149	13.92	8.83	210	0.651	2.2	3.28			
1152	13.98	8.80	209	0.649	2.0	3.30			
1155	13.96	8.85	209	0.650	2.0	3.32	7.28		

Total Quantity of Water Removed (gal): _____

Samplers: A. Townsend

Sampling Date: 11/12/24

Sampling Time: 1155

Split Sample With: _____

Sample Type: grab

COMMENTS AND OBSERVATIONS: PID: 0.1 ppm

Sample ID: 442024-MW-108-20241112

Analysis: VOCs

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-108A	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: good	Weather: 47°F, Mostly cloudy
Sounding Method: Heron Dipper-T	Gauge Date: 11/11/2024	Measurement Ref: TOIC
Stick Up/Down (ft): stick up ~2 ft	Gauge Time: 1030	Well Diameter (in): 2

Purge Date: 11/12/2024	Purge Time: 1123
Purge Method: low flow peristaltic pump	Field Technician: C Derrick

Well Volume

A. Well Depth (ft): 22.27	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~+3 in
B. Depth to Water (ft): 7.32	E. Well Volume (gal) C*D): 2.44	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 14.95	F. Three Well Volumes (gal) (E3): 7.31	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1123	14.16	7.61	154	0.592	23.5	2.15	7.31	0.25	—
1126	14.23	7.27	154	0.590	14.2	1.79	7.31		0.75
1129	14.35	7.12	151	0.586	8.6	1.53	7.31		1.50
1132	14.27	7.08	151	0.583	8.6	1.43	7.31		2.25
1135	14.26	7.06	151	0.581	6.5	1.35	7.31		3.00
1138	14.30	7.04	152	0.578	5.4	1.25	7.31		3.75
1141	14.27	7.03	153	0.578	5.0	1.11	7.31		4.50
1144	14.27	7.03	153	0.577	3.8	1.15	7.31		5.25
1147	14.33	7.02	154	0.577	3.7	1.10	7.31		6.00
1150	14.27	7.02	154	0.576	3.6	1.06	7.31		6.75
				SAMPLE					

Total Quantity of Water Removed (gal):	1.78 gal	Sampling Time:	1150
Samplers:	C. Derrick	Split Sample With:	—
Sampling Date:	11/12/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID = 0.0 ppm
Analysis: VOCs
Sample ID: 442024-MW-108A-20241112

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-109	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 61°F, Cloudy
Sounding Method: Heron Water	Gauge Date: 11/11/2024	Measurement Ref: TOC
Stick Up/Down (ft): flush	Gauge Time: 1000	Well Diameter (in): 2

Purge Date: 11/11/2024	Purge Time: 1558
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 42.95	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: -
B. Depth to Water (ft): 7.20	E. Well Volume (gal) C*D): 5.83	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 35.75	F. Three Well Volumes (gal) (E3): 17.48	Pump Intake Depth: 37.95

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1558	15.61	7.05	-57	0.071	13.4	0.14	7.30	0.25	-
1601	15.31	6.61	-46	0.068	7.7	0.00	7.30	0.25	0.75
1604	15.26	6.59	-46	0.067	6.5	0.00	7.30	0.25	1.50
1607	15.13	6.51	-47	0.068	2.9	0.00	7.30	0.25	2.25
1610	15.02	6.57	-48	0.068	2.3	0.00	7.30	0.25	3.00
1613	15.00	6.58	-48	0.071	1.5	0.00	7.30	0.25	3.75
1616	14.95	6.50	-49	0.071	1.8	0.00	7.30	0.25	4.50
1619	14.85	6.58	-49	0.071	1.9	0.00	7.30	0.25	5.25
1622	14.86	6.53	-49	0.072	1.2	0.00	7.30	0.25	6.00
1625	14.86	6.54	-49	0.073	1.1	0.00	7.30	0.25	6.75

Total Quantity of Water Removed ~~(gal)~~:	6.75 L	Sampling Time:	1625
Samplers:	KC	Split Sample With:	FD-01
Sampling Date:	11/11/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-111	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: fair	Weather: 44°F, partly cloudy
Sounding Method: Heron Dipper-T	Gauge Date: 11/11/2024	Measurement Ref: TOIC
Stick Up/Down (ft):	Gauge Time: 1030	Well Diameter (in): 2 in

Purge Date: 11/12/2024	Purge Time: 1532
Purge Method: low flow peristaltic pump	Field Technician: C. Derrick

Well Volume

A. Well Depth (ft): 20.51	D. Well Volume (ft): 2.000	Depth/Height of Top of PVC: ~ -6 in
B. Depth to Water (ft): 9.75	E. Well Volume (gal) C*D): 21.52	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 10.76	F. Three Well Volumes (gal) (E3): 64.56	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1532	13.99	10.48	158	0.454	12.1	4.34	9.81	0.25	0
1535	14.16	10.17	130	0.485	5.7	3.64	9.81		0.75
1538	14.22	10.01	131	0.497	5.1	3.54	9.79		1.50
1541	14.39	10.07	134	0.508	5.6	3.62	9.77		2.25
1544	14.21	9.99	138	0.523	4.5	3.18	9.77		3.00
1547	14.36	9.91	135	0.531	3.9	3.18	9.77		3.75
1550	14.41	9.89	134	0.535	3.5	3.13	9.77		4.50
1553	14.34	9.84	132	0.541	3.4	3.04	9.77		5.25
1556	14.39	9.79	130	0.547	3.2	2.97	9.77		6.00
1559	14.41	9.77	130	0.550	3.2	3.01	9.77		6.75
				SAMPLE					

Total Quantity of Water Removed (gal):	1.78	Sampling Time:	1559
Samplers:	C. Derrick	Split Sample With:	-
Sampling Date:	11/12/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID = 0.1 ppm
Analysis: VOCs
Sample ID: 442024-MW-111-20241112

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-114A	**EA Personnel:** K. Cassidy, C. Derrick, A. Townsend	**Client:** NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	**Well Condition:** Good	**Weather:** 61°F, cloudy
Sounding Method: Heron WLM	**Gauge Date:** 11/11/2024	**Measurement Ref:** TOC
Stick Up/Down (ft): flush	**Gauge Time:** 1000	**Well Diameter (in):** 2

Purge Date: 11/11/2024	**Purge Time:** 1502
Purge Method: Low-flow	**Field Technician:** K. Cassidy

Well Volume

A. Well Depth (ft): 40.90	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** -
B. Depth to Water (ft): 8.15	**E. Well Volume (gal) C*D):** 5.34	**Pump Type:** peristaltic
C. Liquid Depth (ft) (A-B): 32.75	**F. Three Well Volumes (gal) (E3):** 16.01	**Pump Intake Depth:** ~35.90

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1502	16.55	6.66	174	0.420	2.3	0.38	8.22	0.25	-
1505	16.27	6.67	156	0.476	2.0	0.00	8.22	0.25	0.75
1508	16.22	6.68	151	0.477	2.2	0.00	8.22	0.25	1.50
1511	16.14	6.70	133	0.477	3.8	0.00	8.22	0.25	2.25
1514	16.09	6.71	98	0.473	2.7	0.00	8.22	0.25	3.00
1517	16.08	6.71	97	0.473	2.5	0.00	8.22	0.25	3.75
1520	16.01	6.70	89	0.470	1.0	0.01	8.22	0.25	4.50
1523	16.00	6.70	89	0.469	0.1	0.00	8.22	0.25	5.25
1526	15.91	6.76	89	0.469	0.3	0.00	8.22	0.25	6.00
1529	15.90	6.76	90	0.469	0.1	0.00	8.22	0.25	6.75
1532	15.90	6.76	90	0.469	0.0	0.00	8.22	0.25	7.50

Total Quantity of Water Removed (gal):	7.50L	**Sampling Time:**	1532
Samplers:	KC	**Split Sample With:**	-
Sampling Date:	11/11/2024	**Sample Type:**	grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-115A	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Grossly	Weather: 61°F, cloudy
Sounding Method: Heron (WLM)	Gauge Date: 11/11/24	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1000	Well Diameter (in): 2

Purge Date: 11/11/24	Purge Time: 1238
Purge Method: Low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 30.26	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: -
B. Depth to Water (ft): 6.80	E. Well Volume (gal) C*D: 3.82	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 23.46	F. Three Well Volumes (gal) (E3): 11.47	Pump Intake Depth: ~25.26

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1238	17.63	4.90	264	0.001	176	8.01	6.95	0.25	-
1241	17.63	4.88	264	0.001	176	7.85	6.95	0.25	0.75
1244	17.65	4.83	265	0.001	178	8.32	6.89	0.25	1.5
1247	17.65	4.81	266	0.001	178	7.35	6.89	0.25	2.25
1250	17.42	4.73	266	0.000	188	6.74	6.89	0.25	3.00
1253	17.27	4.72	266	0.000	187	6.66	6.89	0.25	3.75
1256	17.27	4.72	266	0.000	185	6.60	6.89	0.25	4.50
1309	17.23	4.71	266	0.000	198	6.53	6.89	0.25	5.25
1302	17.35	4.73	301	0.000	198	7.50	6.89	0.25	6.00
1305	17.36	4.70	310	0.000	198	7.07	6.89	0.25	6.75
1308	17.35	4.69	310	0.000	199	7.07	6.84	0.25	7.50
1311	17.36	4.69	309	0.000	199	7.09	6.89	0.25	8.25
1314	17.36	4.69	311	0.000	199	6.98	6.89	0.25	9.00
1317	17.36	4.69	311	0.000	199	6.93	6.84	0.25	9.75
1320	17.37	4.62	314	0.000	199	6.93	6.84	0.25	10.50
1323	17.38	4.61	314	0.000	200	6.76	6.89	0.25	11.25
1326	17.39	4.58	314	0.000	200	6.72	6.89	0.25	12.00

Total Quantity of Water Removed (gal):	Sampling Time:
Samplers:	Split Sample With:
Sampling Date:	Sample Type:

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-115A	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1329	17.40	4.62	306	0.000	201	6.56	6.89	0.25	12.75
1332	17.40	4.62	307	0.000	201	6.53	6.89	0.25	13.50
1335	17.41	4.62	309	0.000	201	6.45	6.89	0.25	14.25
1338	17.101	5.87	194	0.000	195	6.30	6.89	0.25	15.00
1341	17.102	5.88	198	0.000	199	6.25	6.89	0.25	15.75
1344	17.28	5.86	211	0.000	203	6.06	6.89	0.25	16.50
1347	17.28	5.79	214	0.000	203	6.00	6.88	0.25	17.25
1350	17.28	5.77	215	0.000	205	5.93	6.88	0.25	18.00
1353	17.29	5.76	218	0.000	207	5.91	6.88	0.25	18.75
1356	17.29	5.70	230	0.000	206	5.84	6.80	0.25	19.50
1359	17.27	5.70	230	0.000	208	5.76	6.80	0.25	20.25
1402	17.29	5.70	231	0.000	211	5.74	6.80	0.25	21.00
1405	17.29	5.70	232	0.000	211	5.73	6.80	0.25	21.75
1408	17.26	5.70	232	0.000	211	5.74	6.80	0.25	22.50
									~~23.25~~

Total Quantity of Water Removed ~~(gal)~~: ~22.50 L
Samplers: KC
Sampling Date: 11/6/2024
Sampling Time: 1408
Split Sample With: MS/MSD
Sample Type: grab

COMMENTS AND OBSERVATIONS: Sediment in purge water

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-5	**EA Personnel:** K. Cassidy, C. Derrick, A. Townsend	**Client:** NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	**Well Condition:** Good / No j-plug, bolts ov	**Weather:** 48°F, mostly cloudy
Sounding Method: ~~Heron~~ WLM	**Gauge Date:** 11/11/2024	**Measurement Ref:** TOIC
Stick Up/Down (ft): flush	**Gauge Time:** 1000	**Well Diameter (in):** 2

Purge Date: 11/12/24	**Purge Time:** 1530
Purge Method: low-flow	**Field Technician:** K. Cassidy

Well Volume

A. Well Depth (ft): 16.20	**D. Well Volume (ft):** 0.163	**Depth/Height of Top of PVC:** –
B. Depth to Water (ft): 10.26	**E. Well Volume (gal) C*D):** 1.62	**Pump Type:** peristaltic
C. Liquid Depth (ft) (A-B): 9.94	**F. Three Well Volumes (gal) (E3):** 4.86	**Pump Intake Depth:** ~11.20

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1530	16.27	7.18	197	0.554	4.5	1.32	10.30	0.25	–
1533	16.37	7.03	198	0.545	8.9	0.98	10.38	0.25	0.75
1536	16.74	6.75	200	0.528	5.6	0.76	10.38	0.25	1.50
1539	16.99	6.49	203	0.514	2.0	1.50	10.38	0.25	2.25
1542	17.02	6.46	203	0.514	1.2	1.40	10.39	0.25	3.00
1545	16.99	6.46	202	0.513	1.7	1.74	10.39	0.25	3.75
1548	16.98	6.44	204	0.513	0.0	1.21	10.39	0.25	4.50
1551	16.90	6.42	206	0.512	0.0	1.70	10.39	0.25	5.25
1554	16.92	6.41	209	0.510	0.0	1.15	10.39	0.25	6.00
1557	16.92	6.41	214	0.510	0.0	1.15	10.39	0.25	6.75

Total Quantity of Water Removed (~~gal~~): 6.75L	**Sampling Time:** 1557
Samplers: KC	**Split Sample With:** —
Sampling Date: 11/12/24	**Sample Type:** grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-06	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 48°F, mostly cloudy
Sounding Method: Heron WLM	Gauge Date: 11/12/24	Measurement Ref: TOIC
Stick Up/Down (ft): Flush	Gauge Time: 1000	Well Diameter (in): 2
Purge Date: 11/12/24 & 11/13/24	Purge Time: 1615 & 0818	
Purge Method: Low-flow	Field Technician: K. Cassidy	

Well Volume

A. Well Depth (ft): 21.80	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.81	E. Well Volume (gal) C*D: 2.12	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 12.99	F. Three Well Volumes (gal) (E3): ~~6.35~~	Pump Intake Depth: ~16.80

Water Quality Parameters

	Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11/12/24	1615	17.60	7.15	-98	1.04	14.5	[illegible]	9.95	0.25	-
	1618	17.61	7.17	-99	1.06	17.5	0.93	10.50	0.25	0.75
	1621	17.11	7.19	-101	1.06	20.00	0.87	10.45	0.25	1.50
	1624	17.35	7.23	-100	1.06	22.5	1.05	13.16	0.25	2.25
	1627	17.39	7.22	-97	1.03	25.3	1.09	13.98	0.25	3.00
	1630	17.23	7.23	-104	1.05	117	1.34	14.75	0.25	3.75
	1633	17.16	7.28	-97	1.01	57.3	1.02	15.30	0.25	4.50
	~~1636~~	17.00	7.29	-96	1.02	181	2.95	15.30	0.25	5.25
	~~1639~~		DRY							
11/13/24	~~0815~~	~~15.43~~	~~6.92~~							
	0818	15.43	6.92	31	1.03	>1000	0.94	8.78	0.25	
	0821	15.47	6.103	-9	1.00	>1000	1.08	9.45	0.25	
	0824	15.19	6.81	-28	0.991	952	0.52	9.45	0.25	
	0827	15.76	6.94	-28	0.950	465	0.0	9.84	0.25	
	0830	15.87	6.95	-8	0.913	545	0.0	10.35	0.25	
	0833	15.64	6.95	0	0.914	41.4	0.0	10.40	0.25	
	0836	15.45	6.97	4	0.908	41.0	0.0	10.50	0.25	

Total Quantity of Water Removed (gal): _____ Sampling Time: _____

Samplers: KC, AT Split Sample With: FD-02

Sampling Date: 11/13/24 Sample Type: grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-06	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition:	Weather: 37°F SUNNY
Sounding Method:	Gauge Date:	Measurement Ref: TOC
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0839	15.57	6.98	7	0.897	40.7	0.0	0.103	0.75	
0847	15.64	6.98	9	0.886	210.7	0.0	0.65		
0845	15.64	6.98	10	0.883	210.1	0.0	0.70		
0848	15.67	6.97	11	0.881	210.3	0.0	0.74		

Total Quantity of Water Removed (gal):		Sampling Time:	0848
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-07	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 33°F, Sunny
Sounding Method: Heron WLM	Gauge Date: 11/11/24	Measurement Ref: TOIC
Stick Up/Down (ft): Flush	Gauge Time: 1000	Well Diameter (in): 2

Purge Date: 11/13/24	Purge Time: 0823
Purge Method: Low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 23.27	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: —
B. Depth to Water (ft): 8.86	E. Well Volume (gal) C*D: 2.35	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 14.41	F. Three Well Volumes (gal) (E3): 7.05	Pump Intake Depth: 418.27

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0823	15.79	6.00	213	0.517	77.7	2.71	9.11	0.2	—
0826	15.61	6.13	191	0.509	89.1	2.53	9.38	0.2	0.6
0829	15.66	6.31	120	0.498	372	2.01	9.13	0.2	1.2
0832	15.72	6.31	118	0.481	~~[illegible]~~ 337	2.98	9.13	0.2	1.8
0835	15.79	6.34	115	0.471		3.17	9.13	0.2	2.4
0838	15.75	6.34	117	0.476	490	3.30	9.13	0.2	3.0
0841	15.77	6.34	120	0.467	338	3.35	9.13	0.2	3.6
0844	15.81	6.34	120	0.463	295	3.45	9.13	0.2	4.2
0847	15.92	6.35	120	0.463	268	3.49	9.13	0.2	4.8
0850	15.96	6.36	121	0.462	253	3.59	9.13	0.2	5.4
0853	16.13	6.36	125	0.461	212	3.68	9.13	0.2	6.0
0856	16.03	6.37	128	0.460	178	3.53	9.13	0.2	6.6
0859	16.07	6.37	129	0.460	172	3.87	9.13	0.2	7.2
0902	16.04	6.37	130	0.459	151	3.81	9.13	0.2	7.8
0905	16.04	6.38	135	0.459	141	3.81	9.13	0.2	8.4
0908	16.05	6.38	135	0.459	132	3.84	9.13	0.2	9.0
0911	16.05	6.38	135	0.459	120	3.88	9.13	0.2	9.6

Total Quantity of Water Removed (gal):	—	Sampling Time:	—
Samplers:	KC	Split Sample With:	—
Sampling Date:	11/13/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW1-87	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0914	16.22	6.38	138	0.458	99.1	3.87	9.13	0.2	10.0
0917	16.24	6.38	138	0.458	92.7	3.89	9.13	0.2	10.8
0920	16.22	6.39	141	0.458	85.1	3.87	9.13	0.2	11.6
0923	16.20	6.39	141	0.458	74.4	3.87	9.13	0.2	12.4
0926	16.20	6.38	141	0.458	70.7	3.86	9.13	0.2	12.6
0929	16.21	6.39	142	0.458	71.3	3.95	9.13	0.2	13.2
0932	16.21	6.39	142	0.458	70.6	3.94	9.13	0.2	13.8
0935	16.30	6.39	141	0.458	71.9	3.95	9.13	0.2	14.4
0938	16.33	6.39	141	0.457	70.7	3.91	9.13	0.2	15.0
0941	16.37	6.39	142	0.458	50.6	3.91	9.13	0.2	15.6
0944	16.42	6.39	144	0.458	42.5	3.90	9.13	0.2	16.2
0947	16.46	6.40	146	0.457	41.4	3.92	9.13	0.2	16.8
0950	16.46	6.40	146	0.457	46.6	3.89	9.13		17.4

Total Quantity of Water Removed (gal): ~17.4L
Samplers: KC
Sampling Date: 11/13/24
Sampling Time: 0950
Split Sample With: —
Sample Type: grab

COMMENTS AND OBSERVATIONS:

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
TW-08	K. Cassidy, C. Derrick, A. Townsend	NYSDEC Roxy Cleaners Site (442024)
Location:	**Well Condition:**	**Weather:**
Wynantskill, NY	good	31°F, sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Heron Dipper-T	11/11/2024	TOIC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
flush	1030	2

Purge Date:	Purge Time:
11/13/2024	0808
Purge Method:	**Field Technician:**
low flow peristaltic pump	C. Derrick

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
23.30	0.163	~-5.1
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
9.30	2.28	peristaltic pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
14.00	6.85	mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0808	14.80	8.18	263	0.606	92.1	4.43	9.36	0.25	—
0811	14.88	8.86	235	0.594	56.0	3.72	9.34	|	0.75
0814	14.82	8.99	225	0.589	26.6	4.35	9.31	|	1.50
0817	14.93	9.05	220	0.589	21.6	3.00	9.31	|	2.25
0820	14.85	9.09	216	0.591	16.4	2.13	9.31	|	3.00
0823	14.84	9.11	214	0.591	9.3	2.46	9.31	|	3.75
0826	14.88	9.13	212	0.594	9.3	1.92	9.31	|	4.50
0829	14.94	9.15	210	0.594	5.2	2.18	9.31	|	5.25
0832	14.91	9.16	207	0.596	5.6	1.75	9.31	|	6.00
0835	14.84	9.17	204	0598	5.5	1.63	9.31	|	6.75
0838	14.79	9.18	201	0.600	4.1	1.37	9.31	|	7.50
0841	14.74	9.19	199	0.604	3.3	1.47	9.31	|	8.25
0844	14.74	9.20	197	0.613	4.4	1.46	9.31	|	9.00
—	—	—	—	SAMPLE	—	—	—	—	—

Total Quantity of Water Removed (gal):	2.88 gal	Sampling Time:	0844
Samplers:	C. Derrick	Split Sample With:	✓
Sampling Date:	11/13/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

PID = 1.6 ppm

Analysis: VOCs

Sample ID: 442024-TW-05-20241113

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.:	EA Personnel:	Client:
TW-09	K. Cassidy, C. Derrick, A. Townsend	NYSDEC Roxy Cleaners Site (442024)
Location:	**Well Condition:**	**Weather:**
Wynantskill, NY	good	35°F, sunny
Sounding Method:	**Gauge Date:**	**Measurement Ref:**
Heron Dipper-T	11/11/2024	TOIC
Stick Up/Down (ft):	**Gauge Time:**	**Well Diameter (in):**
flush	1030	2

Purge Date:	Purge Time:
11/13/2024	0910
Purge Method: low flow peristaltic pump	**Field Technician:** C. Derrick

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
18.62	0.163	~ -2 in
B. Depth to Water (ft):	**E. Well Volume (gal) C*D):**	**Pump Type:**
9.76	1.44	peristaltic pump
C. Liquid Depth (ft) (A-B):	**F. Three Well Volumes (gal) (E3):**	**Pump Intake Depth:**
8.86	4.33	mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0910	14.99	9.33	220	0.747	3.8	1.46	9.91	0.25	—
0913	15.44	9.28	212	0.728	1.1	1.25	9.90		0.75
0916	15.72	9.29	208	0.697	0.1	1.45	9.88		1.50
0919	15.72	9.27	207	0.682	0.0	1.43	9.87		2.25
0922	15.95	9.26	206	0.668	0.0	1.48	9.85		3.00
0925	15.96	9.25	205	0.662	0.0	1.55	9.84		3.75
0928	16.05	9.25	206	0.655	0.0	1.58	9.85		4.50
0931	16.16	9.25	206	0.654	0.0	1.79	9.87		5.25
0934	16.36	9.24	206	0.650	0.0	1.71	9.87		6.00
0937	16.49	9.25	206	0.645	0.0	1.65	9.87		6.75
				SAMPLE					

Total Quantity of Water Removed (gal):	1.78 gal	Sampling Time:	0937
Samplers:	C. Derrick	Split Sample With:	—
Sampling Date:	11/13/2024	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

PID = 8.0

Analysis: VOCs

Sample ID: 442024-TW-09-20241113

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: TW-10	EA Personnel: K. Cassidy, C. Derrick, A. Townsend	Client: NYSDEC Roxy Cleaners Site (442024)
Location: Wynantskill, NY	Well Condition: Good	Weather: 37°F Sunny
Sounding Method: Heron dipper-T WLM	Gauge Date: 11/11/24	Measurement Ref: TOC
Stick Up/Down (ft): Flush.	Gauge Time: 1080	Well Diameter (in): 2"

Purge Date: 11/13/24	Purge Time: 0925
Purge Method: LOW-flow	Field Technician: A. Townsend

Well Volume

A. Well Depth (ft): 17.95	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.80	E. Well Volume (gal) C*D: 1.49	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 9.15	F. Three Well Volumes (gal) (E3): 4.47	Pump Intake Depth: Mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
0927	15.71	7.04	110	0.514	83.4	0.20	9.15	0.25	—
0930	16.49	6.83	59	0.582	42.0	0.0			
0933	16.51	6.83	100	0.581	35.7	0.0			
0936	16.54	6.82	105	0.581	26.0	0.0	9.13		
0939	16.60	6.87	108	0.582	21.3	0.0			
0942	16.71	6.81	70	0.581	16.7	0.0			
0945	16.78	6.81	71	0.581	15.7	0.0	9.11		
0948	16.80	6.80	72	0.582	12.7	0.0			
0951	16.82	6.80	74	0.582	12.1	0.0			
0954	16.84	6.79	77	0.583	11.8	0.0	9.10		

Total Quantity of Water Removed (gal):		Sampling Time:	0954
Samplers:	A. Townsend	Split Sample With:	MS/MSD
Sampling Date:	11/13/24	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID: 0.4 ppm
Sample ID: 442024-TW-10-20241113
Analysis: VOCs

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: EA Engineering
Address: 333 W. Washington St.
Syracuse, NY 13202
Phone: 315 234 0552
Fax:
Email: KCassidy@eaest.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Roxy Cleaners
Project Location: Wynantskill, NY
Project #: DEC #442024, EA 16025-06-00-CP
Project Manager: Chris Sanson (EA)
ALPHA Quote #:

Turn-Around Time

☒ Standard 10-day ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☒ Additional Deliverables: CAT B deliverable
Report to: (if different than Project Manager) CSanson@eaest.com

Billing Information

☐ Same as Client info PO #:
NYSDEC

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subtract Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
	442024-IA-184-20241113	11/13	1027	1033	-29.99	-9.33	AA	KL	6L	757	01411	X						PID=0.4 ppm
	442024-SVP-184-20241113	11/13	1035	1034	-28.62	-4.41	SV	KL	6L	2053	0624	X						sub-slab; PID=0.6 ppm
	442024-SV-3-20241113	11/13	1149	1057	-30.19	-5.63	SV	KL	6L	2047	01062	X						PID=0.2 ppm
	442024-SV-1-20241113	11/13	1104	1101	-29.88	-4.49	SV	KL	6L	3078	0499	X						PID=0.2 ppm
	442024-SVP-195-20241113	11/13	1007	1118	-29.78	-5.56	SV	KL	6L	2102	0139	X						PID=0.5 ppm; sub-slab
	442024-IA-195-20241113	11/13	1001	1119	-29.77	-7.34	AA	KL	6L	15556	02214	X						PID=0.3 ppm
	442024-SV-2-20241113	11/13	1135	1128	-29.85	-5.75	SV	KL	6L	4338	0935	X						PID=0.2 ppm
	442024-SV-4-20241113	11/13	1205	1202	-30.23	-8.50	SV	KL	6L	27730003		X						PID=0.2 ppm
	442024-OA-195-20241113	11/13	1216	1216	-29.91	-6.16	AA	KL	6L	1979	0237	X						PID=0.0 ppm

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
KCassidy	11/14/24 1000		

Form No: 101-02 Rev: (25-Sep-15)

Pace Analytical

39 Spruce St
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC
Consultant: EA Engineering
Consultant Address: 333 W. Washington St, Syracuse, NY 13202
Consultant Phone: 315 234 0552
Callout Project Name: Roxy Cleaners
Project Location: Wynantskill, NY
Callout Number: 152543
Site/Spill Number: 442024 (DEC), 16025-06-00 (PLEA)
Project Manager: Chris Sanson (EA), Charles Gregory (DEC)
Pace Analytical Quote Name/Number:
Invoice Recipient:
Sampled By: K. Cassidy

Requested Turnaround Time
DEC Standard 30-calendar day
Due Date:

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☑

Data Delivery
Format: PDF ☑ EXCEL ☑
Other: CAT B deliverable
CLP Like (Level 4) Data Pkg Required: ☐
Email To: csanson@eaest.com
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	# of Containers	[2] Preservation Code	[3] Container Code
	442024-MW-3B-20241111	11/11/24	1337		X	GW	U	X						36	H	V
	442024-MW-115A-20241111	11/11/24	1408		X	GW	U	X								
	442024-MW-3-20241111	11/11/24	1427		X	GW	U	X								
	442024-MW-104-20241111	11/11/24	1527		X	GW	U	X								
	442024-MW-114A-20241111	11/11/24	1532		X	GW	U	X								
	442024-MW-1-20241111	11/11/24	1615		X	GW	U	X								
	442024-MW-109-20241111	11/11/24	1625		X	GW	U	X								
	442024-MW-4B-20241112	11/12/24	0915		X	GW	U	X								
	442024-MW-4-20241112	11/12/24	0918		X	GW	U	X								
	442024-MW-108A-20241112	11/12/24	1150		X	GW	U	X								

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Extra volume provided with 442024-MW-115A-20241111 for MS/MSD.
-Method 8260 without oxygenates. (VOCs)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) 2 Cassidy	11/14/24 1030
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☒ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD V5
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical

39 Spruce St
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC Consultant:

Consultant Address:

Consultant Phone:

Callout Project Name:

Project Location:

Callout Number:

Site/Spill Number:

Project Manager:

Pace Analytical Quote Name/Number:

Invoice Recipient:

Sampled By:

See Page 1

Requested Turnaround Time

DEC Standard 30-calendar day [ ]

Due Date:

Rush (Prior Approval Required)

1-Day [ ] 2-Day [ ] 3-Day [ ]

4-Day [ ] 5-Day [ ] 10-Day [X]

Data Delivery

Format: PDF [X] EXCEL [X]

Other: CAT B

CLP Like (Level 4) Data Pkg Required: [ ]

Email To: CSanson@eaest.com

Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM	8082 PCBs	8081 Pesticide	8151 Herbicide	TAL Total Metals	TCLP RCRA 8 Metals	PFAS 1633	PFAS 537 ID	# of Containers	[2] Preservation Code	[3] Container Code
	442024-MW-108-20241112	11/12/24	1155		X	GW	U	X										30	H	V
	442024-MW-106A-20241112	11/12/24	1241		X	GW	U	X												
	442024-MW-106-20241112	11/12/24	1245		X	GW	U	X												
	442024-MW-105-20241112	11/12/24	1350		X	GW	U	X												
	442024-MW-2B-20241112	11/12/24	1450		X	GW	U	X												
	442024-MW-2-20241112	11/12/24	1456		X	GW	U	X												
	442024-MW-107A-20241112	11/12/24	1507		X	GW	U	X												
	442024-TW-5-20241112	11/12/24	1557		X	GW	U	X												
	442024-MW-111-20241112	11/12/24	1559		X	GW	U	X												
	442024-MW-103A-20241112	11/12/24	1600		X	GW	U	X												

Circle Requested Analyses/Reporting List

Dissolved Metals Samples

[ ] Field Filtered

[ ] Lab to Filter

Orthophosphate Samples

[ ] Field Filtered

[ ] Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Method 8260 w/mod oxygenates. (VOCs)

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Z Cossey	11/14/24 1035
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information

[ ] AWQ STDS [X] NY TOGS

[ ] NYC Sewer Discharge [ ] NY CP-51

[ ] Part 360 GW (Landfill)

[ ] NY Restricted Use

[ ] NY Unrestricted Use

[ ] NY Part 375

Other:

Deliverables

[ ] Enhanced Data Package

[X] NYSDEC EQuIS EDD

[ ] EQuIS (Standard) EDD

[ ] NY Regulatory EDD

[ ] NY Regs Hits-Only EDD

Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity

[ ] Government [ ] Municipality [ ] MWRA [ ] WRTA

[ ] Federal [ ] 21 J [ ] School

Other

[ ] Chromatogram

[ ] AIHA-LAP,LLC

PCB ONLY

[ ] Soxhlet

[ ] Non Soxhlet

Pace Analytical

39 Spruce St
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYS DEC | Consultant:
Consultant Address:
Consultant Phone:
Callout Project Name:
Project Location:
Callout Number:
Site/Spill Number:
Project Manager:
Pace Analytical Quote Name/Number:
Invoice Recipient:
Sampled By:

See Page 1

Requested Turnaround Time
DEC Standard 30-calendar day 11
Due Date:

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☒

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: CAT B
CLP Like (Level 4) Data Pkg Required: ☐
Email To: CSanson@eaest.com
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM	8082 PCBs	8081 Pesticide	8151 Herbicide	TAL Total Metals	TCLP RCRA 8 Metals	PFAS 1633	PFAS 537 ID	# of Containers	[2] Preservation Code	[3] Container Code
27													
H													
V													

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	8260										
	442024-TW-08-20241113	11/13/24	0844		X	GW	U	X										
	442024-TW-06-20241113	11/13/24	0848		X	GW	U	X										
	442024-TW-09-20241113	11/13/24	0937		X	GW	U	X										
	442024-TW-07-20241113	11/13/24	0950		X	GW	U	X										
	442024-TW-10-20241113	11/13/24	0954		X	GW	U	X										
	442024-FD-01-20241111	11/11/24	—		X	GW	U	X										
	442024-FD-02-20241113	11/13/24	—		X	GW	U	X										

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
* Extra volume provided with 442024-TW-10-20241113 for MS/MSD.
-Method 8260 without oxygenates. (VOCs)

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Z Cerrigan	11/14/24 1030
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☒ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☒ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-1
Well Tag ID: MW-1
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Church St

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: bolts
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: steel
Surface Casing diameter: 8 in *inches*
Well Diameter: 4 in *inches*
Well Depth (as installed): 55.09 *ftbgs*
Well Depth (as measured): 54.98 *fttoc*
Screened interval: 18-27.7 *ft*
Open hole interval: N/A *ft*
Depth to water: 13.53 *ftbtoc*
Date: 11/11/2024 *Time:* 1545

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-2
Well Tag ID: MW-2
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave., by Labella Pizza Shop

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: Steel
Surface Casing diameter: 4 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 39.15 *ftbgs*
Well Depth (as measured): 38.55 *fttoc*
Screened interval: 28-38 *ft*
Open hole interval: N/A *ft*
Depth to water: 10.10 *ftbtoc*
Date: 11/12/2024 *Time:* 1437

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-2B
Well Tag ID: MW-2B
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main AVE

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: Steel
Surface Casing diameter: 5 *inches*
Well Diameter: 4 *inches*
Well Depth (as installed): 67.68 *ftbgs*
Well Depth (as measured): 65.10 *fttoc*
Screened interval: 43-63.2 *ft*
Open hole interval: N/A *ft*
Depth to water: 12.64 *ftbtoc*
Date: 11/12/24 *Time:* 1419

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-3
Well Tag ID: MW-3
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Koon St.

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: Steel
Surface Casing diameter: 4 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 31.14 *ftbgs*
Well Depth (as measured): 31.09 *fttoc*
Screened interval: 21-31.2 *ft*
Open hole interval: N/A *ft*
Depth to water: 8.51 *ftbtoc*
Date: 11/11/24 *Time:* 1350

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-3B
Well Tag ID: MW-3B
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Koon St.

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: Steel
Surface Casing diameter: 5 *inches*
Well Diameter: 4 *inches*
Well Depth (as installed): 21.86 *ftbgs*
Well Depth (as measured): 58.38 *fttoc*
Screened interval: 37.5-57.5 *ft*
Open hole interval: N/A *ft*
Depth to water: 7.15 *ftbtoc*
Date: 11/11/24 *Time:* 1307

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-4
Well Tag ID: MW-4
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Powell St

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: Steel
Surface Casing diameter: 4 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 48.60 *ftbgs*
Well Depth (as measured): 48.17 *fttoc*
Screened interval: 35.5 - 45.5 *ft*
Open hole interval: N/A *ft*
Depth to water: 7.48 *ftbtoc*
Date: 11/12/2024 *Time:* 0856

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-4B
Well Tag ID: MW-4B
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Powell St.

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: Steel
Surface Casing diameter: 5 *inches*
Well Diameter: 4 *inches*
Well Depth (as installed): 78.75 *ftbgs*
Well Depth (as measured): 81.05 *fttoc*
Screened interval: 61.8-82 *ft*
Open hole interval: N/A *ft*
Depth to water: 7.46 *ftbtoc*
Date: 11/12/24 *Time:* 0835

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-103A
Well Tag ID: MW-103A
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main AVE

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 4 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 19.85 *ftbgs*
Well Depth (as measured): 19.66 *fttoc*
Screened interval: 10.5-20.5 *ft*
Open hole interval: N/A *ft*
Depth to water: 10.12 *ftbtoc*
Date: 11/12/24 *Time:* 1530

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-104
Well Tag ID: MW-104
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Bellemead St.

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 5 *inches*
Well Diameter: 4 *inches*
Well Depth (as installed): 51.45 *ftbgs*
Well Depth (as measured): 49.21 *fttoc*
Screened interval: 32-47.3 *ft*
Open hole interval: N/A *ft*
Depth to water: 23.98 *ftbtoc*
Date: 11/11/24 *Time:* 1500

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: MW-105
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: j-plug missing
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 inches
Well Diameter: 4 inches
Well Depth (as installed): ~~82 feet~~ 83 ftbgs
Well Depth (as measured): 82.76 fttoc
Screened interval: 55.6-83 ft
Open hole interval: — ft
Depth to water: 4.84 ftbtoc
Date: 11/12/24 Time: 1330

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-106
Well Tag ID: MW-106
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave., by LabellaPizza shop

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: lock
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 in *inches*
Well Diameter: 4 in *inches*
Well Depth (as installed): 59.26 *ftbgs*
Well Depth (as measured): 52.62 *fttoc*
Screened interval: 55.6-83 *ft*
Open hole interval: N/A *ft*
Depth to water: 11.28 *ftbtoc*
Date: 11/12/2024 *Time:* 1235

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-106A
Well Tag ID: MW-106A
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): _____

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 28.71 *ftbgs*
Well Depth (as measured): 28.20 *fttoc*
Screened interval: 16-26 *ft*
Open hole interval: N/A *ft*
Depth to water: 10.96 *ftbtoc*
Date: 11/12/24 *Time:* 1211

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: MW-107A
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave.

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) ~~Flush Mount~~ Stick up Multilevel Well*
Well lock\security type: J-plug
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 inches
Well Diameter: 4 inches
Well Depth (as installed): 23.5 ftbgs
Well Depth (as measured): 46.75 fttoc
Screened interval: 13.4-23.4 ft
Open hole interval: 9.5 ft
Depth to water: _____ ftbtoc
Date: 11/12/24 Time: 1430

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-108
Well Tag ID: MW-108
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Stewarts Shop lot

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 4 *inches*
Well Depth (as installed): 43.24 *ftbgs*
Well Depth (as measured): 43.70 *fttoc*
Screened interval: 23-41.3 *ft*
Open hole interval: N/A *ft*
Depth to water: 7.17 *ftbtoc*
Date: 11/12/24 *Time:* 1126

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-108A
Well Tag ID: MW-108A
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Stewart's Shop. lot

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: lock
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 4 in *inches*
Well Diameter: 2 in *inches*
Well Depth (as installed): 22.36 *ftbgs*
Well Depth (as measured): 22.27 *fttoc*
Screened interval: 10-20 *ft*
Open hole interval: N/A *ft*
Depth to water: 7.32 *ftbtoc*
Date: 11/12/2024 *Time:* 1139

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: MW-109
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: J-plug
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 inches
Well Diameter: 2 inches
Well Depth (as installed): 43.12 ftbgs
Well Depth (as measured): ~~43.12~~ 42.95 fttoc
Screened interval: 33-43 ft
Open hole interval: _____ ft
Depth to water: 7.20 ftbtoc
Date: 11/11/24 Time: 1600

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: MW-111
Well Tag ID: MW-111
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Orchard Terrace and Main Ave.

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: Steel
Surface Casing diameter: 12 *inches*
Well Diameter: 7 *inches*
Well Depth (as installed): 20.70 *ftbgs*
Well Depth (as measured): 20.51 *fttoc*
Screened interval: 10-20 *ft*
Open hole interval: N/A *ft*
Depth to water: 9.75 *ftbtoc*
Date: 11/12/2024 *Time:* 1545

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: MW-114A
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave, Dodge St.

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) ~~Flush Mount~~ Stick up Multilevel Well*
Well lock\security type: j-plug, bolt
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 inches
Well Diameter: 2 inches
Well Depth (as installed): 41.55 ftbgs
Well Depth (as measured): 40.96 fttoc
Screened interval: 33-43 ft
Open hole interval: _____ ft
Depth to water: 8.15 ftbtoc
Date: 11/12/24 Time: 1500

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: MW-115A
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave, Dodge St.

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: J-plug/bolt
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 inches
Well Diameter: 2 inches
Well Depth (as installed): ~~35~~ 30.72 ftbgs
Well Depth (as measured): 30.26 fttoc
Screened interval: ~~30-42~~ 25-35 ft
Open hole interval: _____ ft
Depth to water: 6.80 ftbtoc
Date: 11/11/24 Time: 1238

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: TW-5
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave, Ashcroft St.

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: j-plug #6 bolts missing
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 inches
Well Diameter: 2 inches
Well Depth (as installed): 20 ftbgs
Well Depth (as measured): 16.20 fttoc
Screened interval: 10-20 ft
Open hole interval: - ft
Depth to water: 9.94 ftbtoc
Date: 11/12/24 Time: 1530

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: TW-06
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave, W. Sand Lake Rd.

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: _____
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 20.87 *ftbgs*
Well Depth (as measured): 21.80 *fttoc*
Screened interval: 13-23 *ft*
Open hole interval: _____ *ft*
Depth to water: 8.81 *ftbtoc*
Date: 11/12/24 *Time:* 1600

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: MW-07
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main St/ ~~Us Sand Lake Rd.~~ Orchard Terr.

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: J-plug
Elevation (top of inner casing): _____
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 23.26 *ftbgs*
Well Depth (as measured): 23.27 *fttoc*
Screened interval: 13-23 *ft*
Open hole interval: — *ft*
Depth to water: 8.86 *ftbtoc*
Date: 11/13/24 Time: 0830

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: TW-09
Well Tag ID: TW-09
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave., across from Stewart's Shop

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) ~~Flush Mount~~ Stick up Multilevel Well*
Well lock\security type: bolts
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 8 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 18.64 *ftbgs*
Well Depth (as measured): 18.62 *fttoc*
Screened interval: 9-19 *ft*
Open hole interval: N/A *ft*
Depth to water: 9.76 *ftbtoc*
Date: 11/13/2024 *Time:* 0922

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: TW-08
Well Tag ID: TW-08
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave., Stewart's shop lot

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: bolts
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 8 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 23.31 *ftbgs*
Well Depth (as measured): 23.30 *fttoc*
Screened interval: 14-24 *ft*
Open hole interval: N/A *ft*
Depth to water: 9.30 *ftbtoc*
Date: 11/13/2024 *Time:* 0819

* If multilevel well please see attached worksheet.

NYSDEC Well Assessment Checklist

Facility Information

Site Name: Roxy Cleaners
Site Address: 195 Main Ave, Wynantskill, NY 12198
Site County: Rensselaer
Site State: New York
NYSDEC Site ID Number: 042024
Site Owner: _____
NYSDEC Project Manager: Charles Gregory

Well Locational Information

State Well ID: _____
Well Tag ID: TW-10
Well Installation date: _____

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)		
Easting (State Plane)		

Cross streets (if applicable): Main Ave, Bellemead St

GPS Instrument used: _____
Datum: _____
Accuracy/Precision: _____

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: J-plug / bolt
Elevation (top of inner casing): _____
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 17.94 *ftbgs*
Well Depth (as measured): 17.95 *fttoc*
Screened interval: 9-19 *ft*
Open hole interval: _____ *ft*
Depth to water: 8.80 *ftbtoc*
Date: 11/13/24 Time: 0930

* If multilevel well please see attached worksheet.

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Appendix C

Analytical Summary Table

Table C-1. November 2024 Groundwater Sample Results Summary

Location ID			MW-1	MW-2	MW-2B	MW-3	MW-3B	MW-4	MW-4B	MW-103A	MW-104	MW-105	MW-106	MW-106A
Sample Name			442024-MW-1-20241111	442024-MW-2-20241112	442024-MW-2B-20241112	442024-MW-3-20241111	442024-MW-3B-20241111	442024-MW-4-20241112	442024-MW-4B-20241112	442024-MW-103A-20241112	442024-MW-104-20241111	442024-MW-105-20241112	442024-MW-106-20241112	442024-MW-106A-20241112
Parent Sample ID														
Sample Date			11/11/2024	11/12/2024	11/12/2024	11/11/2024	11/11/2024	11/12/2024	11/12/2024	11/12/2024	11/11/2024	11/12/2024	11/12/2024	11/12/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOCs (SW8260D)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 0.14 U	< 0.28 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
1,1,2,2-Tetrachloroethane	5	µg/L	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	µg/L	< 0.16 U	< 0.32 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
1,1,2-Trichloroethane	1	µg/L	< 0.18 U	< 0.36 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,1-Dichloroethane	5	µg/L	< 0.15 U	< 0.3 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,1-Dichloroethene	5	µg/L	< 0.18 U	< 0.36 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,2,3-Trichlorobenzene	5	µg/L	< 0.22 U	< 0.43 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
1,2,3-Trichloropropane	0.04	µg/L	< 0.27 U	< 0.54 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U
1,2,4-Trichlorobenzene	5	µg/L	< 0.19 U	< 0.39 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
1,2,4-Trimethylbenzene	5	µg/L	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
1,2-Dibromo-3-Chloropropane	0.04	µg/L	< 0.63 U	< 1.3 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	µg/L	< 0.13 U	< 0.25 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,2-Dichlorobenzene	3	µg/L	< 0.17 U	< 0.35 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,2-Dichloroethane	0.6	µg/L	< 0.13 U	< 0.25 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,2-Dichloropropane	1	µg/L	< 0.17 U	< 0.34 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,3,5-Trimethylbenzene (Mesitylene)	5	µg/L	< 0.17 U	< 0.34 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,3-Dichlorobenzene	3	µg/L	< 0.15 U	< 0.31 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,4-Dichlorobenzene	3	µg/L	< 0.17 U	< 0.33 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
2-Hexanone	50	µg/L	< 1.3 U	< 2.7 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U
Acetone	50	µg/L	< 2 U	< 4.1 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Benzene	1	µg/L	< 0.14 U	< 0.29 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Bromochloromethane	5	µg/L	< 0.32 U	< 0.64 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U
Bromodichloromethane	50	µg/L	< 0.19 U	< 0.37 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Bromoform	50	µg/L	< 0.3 U	< 0.6 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
Bromomethane	5	µg/L	< 1.5 U	< 3 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
Carbon Disulfide	60	µg/L	< 1.5 U	< 3.1 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
Carbon Tetrachloride	5	µg/L	< 0.19 U	< 0.39 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Chlorobenzene	5	µg/L	< 0.18 U	< 0.35 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Chloroethane	5	µg/L	< 0.46 U	< 0.92 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
Chloroform	7	µg/L	< 0.19 U	0.54 J	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	0.36 J	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Chloromethane	5	µg/L	< 0.5 U	< 0.99 U	< 0.5 U	< 0.5 U	< 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-Dichloroethylene	5	µg/L	< 0.2 U	5.8	1.3	< 0.2 U	0.38 J	< 0.2 U	< 0.2 U	5.8	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Cis-1,3-Dichloropropene	0.4	µg/L	< 0.13 U	< 0.26 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Cyclohexane	NSL	µg/L	< 1.8 U	< 3.5 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U
Cymene	5	µg/L	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Dibromochloromethane	50	µg/L	< 0.13 U	< 0.26 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Dichlorodifluoromethane	5	µg/L	< 0.2 U	< 0.4 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Ethylbenzene	5	µg/L	< 0.14 U	< 0.27 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Isopropylbenzene (Cumene)	5	µg/L	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Methyl Acetate	NSL	µg/L	< 0.48 U	< 0.96 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 1.4 U	< 2.8 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 1.4 U	< 2.7 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Methylcyclohexane	NSL	µg/L	< 0.13 U	< 0.27 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Methylene Chloride	5	µg/L	< 0.19 U	< 0.38 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
m,p-Xylene	5	µg/L	< 0.25 U	< 0.49 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
Naphthalene	10	µg/L	< 0.25 U	< 0.49 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
N-Butylbenzene	5	µg/L	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
N-Propylbenzene	5	µg/L	< 0.11 U	< 0.22 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Sec-Butylbenzene	5	µg/L	< 0.16 U	< 0.33 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Styrene	5	µg/L	< 0.13 U	< 0.26 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
T-Butylbenzene	5	µg/L	< 0.17 U	< 0.33 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Tert-Butyl Methyl Ether	10	µg/L	< 0.17 U	< 0.33 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Tetrachloroethylene (PCE)	5	µg/L	< 0.17 U	270	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	130	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Toluene	5	µg/L	< 0.11 U	< 0.23 U	0.27 J	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
Trans-1,2-Dichloroethene	5	µg/L	< 0.16 U	< 0.31 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Trans-1,3-Dichloropropene	0.4	µg/L	< 0.14 U	< 0.29 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Trichloroethylene (TCE)	5	µg/L	< 0.17 U	2.9	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	7.3	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Trichlorofluoromethane	5	µg/L	< 0.14 U	< 0.29 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Vinyl Chloride	2	µg/L	< 0.19 U	< 0.39 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Xylenes	5	µg/L	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes:
1. Screening level is the NYSDEC Class GA Ambient Water Quality Standards, 6 NYCRR Part 703, March 2023.
µg/L = Microgram(s) per liter
J = Concentration is estimated
NSL = No screening level available
VOCs = Volatile organic compounds
U = Analyte not detected
Concentrations exceeding the screening level are shaded

Table C-1. November 2024 Groundwater Sample Results Summary

	Location ID		MW-107A	MW-108	MW-108A	MW-109	MW-109	MW-111	MW-114A	MW-115A	TW-06	TW-06	TW-07
	Sample Name		442024-MW-107A-20241112	442024-MW-108-20241112	442024-MW-108A-20241112	442024-MW-109-20241111	442024-FD-01-20241111 442024-MW-109-20241111	442024-MW-111-20241112	442024-MW-114A-20241111	442024-MW-115A-20241111	442024-TW-06-20241113	442024-FD-02-20241113 442024-TW-06-20241113	442024-TW-07-20241113
	Parent Sample ID												
	Sample Date		11/12/2024	11/12/2024	11/12/2024	11/11/2024	11/11/2024	11/12/2024	11/11/2024	11/11/2024	11/13/2024	11/13/2024	11/13/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOCs (SW8260D)													
1,1,1-Trichloroethane (TCA)	5	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
1,1,2,2-Tetrachloroethane	5	µg/L	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
1,1,2-Trichloroethane	1	µg/L	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,1-Dichloroethane	5	µg/L	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,1-Dichloroethene	5	µg/L	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
1,2,3-Trichlorobenzene	5	µg/L	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U	< 0.22 U
1,2,3-Trichloropropane	0.04	µg/L	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U	< 0.27 U
1,2,4-Trichlorobenzene	5	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
1,2,4-Trimethylbenzene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
1,2-Dibromo-3-Chloropropane	0.04	µg/L	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U	< 0.63 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,2-Dichlorobenzene	3	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,2-Dichloroethane	0.6	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
1,2-Dichloropropane	1	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,3,5-Trimethylbenzene (Mesitylene)	5	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
1,3-Dichlorobenzene	3	µg/L	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
1,4-Dichlorobenzene	3	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
2-Hexanone	50	µg/L	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U
Acetone	50	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	3.0 J	2.9 J	< 2 U
Benzene	1	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	0.37 J	0.42 J	< 0.14 U
Bromochloromethane	5	µg/L	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U
Bromodichloromethane	50	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Bromoform	50	µg/L	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
Bromomethane	5	µg/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
Carbon Disulfide	60	µg/L	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
Carbon Tetrachloride	5	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
Chlorobenzene	5	µg/L	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U	< 0.18 U
Chloroethane	5	µg/L	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U	< 0.46 U
Chloroform	7	µg/L	< 0.19 U	0.29 J	0.28 J	< 0.19 U	< 0.19 U	3.2	< 0.19 U	< 0.19 U	0.22 J	< 0.19 U	0.75 J
Chloromethane	5	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 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-Dichloroethylene	5	µg/L	< 0.2 U	2.1	0.81 J	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	5.7	11	11	< 0.2 U
Cis-1,3-Dichloropropene	0.4	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Cyclohexane	NSL	µg/L	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.8 U
Cymene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Dibromochloromethane	50	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
Dichlorodifluoromethane	5	µg/L	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Ethylbenzene	5	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	0.31 J	0.33 J	< 0.14 U
Isopropylbenzene (Cumene)	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	0.58 J	0.55 J	< 0.16 U
Methyl Acetate	NSL	µg/L	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U	< 0.48 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1.4 U
Methylcyclohexane	NSL	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	2.5	1.9	< 0.13 U
Methylene Chloride	5	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U
m,p-Xylene	5	µg/L	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
Naphthalene	10	µg/L	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U
N-Butylbenzene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	0.27 J	0.22 J	< 0.16 U
N-Propylbenzene	5	µg/L	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	0.27 J	0.29 J	< 0.11 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Sec-Butylbenzene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	0.29 J	0.23 J	< 0.16 U
Styrene	5	µg/L	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U	< 0.13 U
T-Butylbenzene	5	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U
Tert-Butyl Methyl Ether	10	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	0.25 J	< 0.17 U	< 0.17 U	< 0.17 U
Tetrachloroethylene (PCE)	5	µg/L	0.78 J	0.88 J	0.26 J	< 0.17 U	< 0.17 U	3.1	< 0.17 U	41	4.9	4.7	< 0.17 U
Toluene	5	µg/L	< 0.11 U	< 0.11 U	< 0.11 U	0.13 J	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
Trans-1,2-Dichloroethene	5	µg/L	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U	< 0.16 U
Trans-1,3-Dichloropropene	0.4	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Trichloroethylene (TCE)	5	µg/L	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	< 0.17 U	1.3	2.1	2.2	< 0.17 U
Trichlorofluoromethane	5	µg/L	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U	< 0.14 U
Vinyl Chloride	2	µg/L	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	< 0.19 U	0.28 J	0.29 J	< 0.19 U
Xylenes	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Notes:

1. Screening level is the NYSDEC Class GA Ambient Water Quality Standards, 6 NYCRR Part 703, March 2023.

µg/L = Microgram(s) per liter
J = Concentration is estimated
NSL = No screening level available
VOCs = Volatile organic compounds
U = Analyte not detected
Concentrations exceeding the screening level are shaded

Table C-1. November 2024 Groundwater Sample Results Summary

			Location ID	TW-08	TW-09	TW-10	TW-5
			Sample Name	442024-TW-08-20241113	442024-TW-09-20241113	442024-TW-10-20241113	442024-TW-5-20241112
			Parent Sample ID				
			Sample Date	11/13/2024	11/13/2024	11/13/2024	11/12/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**		**Result**	**Result**	**Result**	**Result**
			VOCs (SW8260D)				
1,1,1-Trichloroethane (TCA)	5	µg/L		< 0.14 U	< 0.14 U	< 0.28 U	< 0.14 U
1,1,2,2-Tetrachloroethane	5	µg/L		< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	µg/L		< 0.16 U	< 0.16 U	< 0.32 U	< 0.16 U
1,1,2-Trichloroethane	1	µg/L		< 0.18 U	< 0.18 U	< 0.36 U	< 0.18 U
1,1-Dichloroethane	5	µg/L		< 0.15 U	< 0.15 U	< 0.3 U	< 0.15 U
1,1-Dichloroethene	5	µg/L		< 0.18 U	< 0.18 U	< 0.36 U	< 0.18 U
1,2,3-Trichlorobenzene	5	µg/L		< 0.22 U	< 0.22 U	< 0.43 U	< 0.22 U
1,2,3-Trichloropropane	0.04	µg/L		< 0.27 U	< 0.27 U	< 0.54 U	< 0.27 U
1,2,4-Trichlorobenzene	5	µg/L		< 0.19 U	< 0.19 U	< 0.39 U	< 0.19 U
1,2,4-Trimethylbenzene	5	µg/L		< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U
1,2-Dibromo-3-Chloropropane	0.04	µg/L		< 0.63 U	< 0.63 U	< 1.3 U	< 0.63 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	µg/L		< 0.13 U	< 0.13 U	< 0.25 U	< 0.13 U
1,2-Dichlorobenzene	3	µg/L		< 0.17 U	< 0.17 U	< 0.35 U	< 0.17 U
1,2-Dichloroethane	0.6	µg/L		< 0.13 U	< 0.13 U	< 0.25 U	< 0.13 U
1,2-Dichloropropane	1	µg/L		< 0.17 U	< 0.17 U	< 0.34 U	< 0.17 U
1,3,5-Trimethylbenzene (Mesitylene)	5	µg/L		< 0.17 U	< 0.17 U	< 0.34 U	< 0.17 U
1,3-Dichlorobenzene	3	µg/L		< 0.15 U	< 0.15 U	< 0.31 U	< 0.15 U
1,4-Dichlorobenzene	3	µg/L		< 0.17 U	< 0.17 U	< 0.33 U	< 0.17 U
2-Hexanone	50	µg/L		< 1.3 U	< 1.3 U	< 2.7 U	< 1.3 U
Acetone	50	µg/L		< 2 U	< 2 U	< 4.1 U	< 2 U
Benzene	1	µg/L		< 0.14 U	< 0.14 U	< 0.29 U	< 0.14 U
Bromochloromethane	5	µg/L		< 0.32 U	< 0.32 U	< 0.64 U	< 0.32 U
Bromodichloromethane	50	µg/L		< 0.19 U	< 0.19 U	< 0.37 U	< 0.19 U
Bromoform	50	µg/L		< 0.3 U	< 0.3 U	< 0.6 U	< 0.3 U
Bromomethane	5	µg/L		< 1.5 U	< 1.5 U	< 3 U	< 1.5 U
Carbon Disulfide	60	µg/L		< 1.5 U	< 1.5 U	< 3.1 U	< 1.5 U
Carbon Tetrachloride	5	µg/L		< 0.19 U	< 0.19 U	< 0.39 U	< 0.19 U
Chlorobenzene	5	µg/L		< 0.18 U	< 0.18 U	< 0.35 U	< 0.18 U
Chloroethane	5	µg/L		< 0.46 U	< 0.46 U	< 0.92 U	< 0.46 U
Chloroform	7	µg/L		0.53 J	0.70 J	0.66 J	0.28 J
Chloromethane	5	µg/L		< 0.5 U	< 0.5 U	< 0.99 U	< 0.5 U
Cis-1,2-Dichloroethylene	5	µg/L		9.2	1.1	1.4 J	1.3
Cis-1,3-Dichloropropene	0.4	µg/L		< 0.13 U	< 0.13 U	< 0.26 U	< 0.13 U
Cyclohexane	NSL	µg/L		< 1.8 U	< 1.8 U	< 3.5 U	< 1.8 U
Cymene	5	µg/L		< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U
Dibromochloromethane	50	µg/L		< 0.13 U	< 0.13 U	< 0.26 U	< 0.13 U
Dichlorodifluoromethane	5	µg/L		< 0.2 U	< 0.2 U	< 0.4 U	< 0.2 U
Ethylbenzene	5	µg/L		< 0.14 U	< 0.14 U	< 0.27 U	< 0.14 U
Isopropylbenzene (Cumene)	5	µg/L		< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U
Methyl Acetate	NSL	µg/L		< 0.48 U	< 0.48 U	< 0.96 U	< 0.48 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L		< 1.4 U	< 1.4 U	< 2.8 U	< 1.4 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L		< 1.4 U	< 1.4 U	< 2.7 U	< 1.4 U
Methylcyclohexane	NSL	µg/L		< 0.13 U	< 0.13 U	< 0.27 U	< 0.13 U
Methylene Chloride	5	µg/L		< 0.19 U	< 0.19 U	< 0.38 U	< 0.19 U
m,p-Xylene	5	µg/L		< 0.25 U	< 0.25 U	< 0.49 U	< 0.25 U
Naphthalene	10	µg/L		< 0.25 U	< 0.25 U	< 0.49 U	< 0.25 U
N-Butylbenzene	5	µg/L		< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U
N-Propylbenzene	5	µg/L		< 0.11 U	< 0.11 U	< 0.22 U	< 0.11 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L		< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U
Sec-Butylbenzene	5	µg/L		< 0.16 U	< 0.16 U	< 0.33 U	< 0.16 U
Styrene	5	µg/L		< 0.13 U	< 0.13 U	< 0.26 U	< 0.13 U
T-Butylbenzene	5	µg/L		< 0.17 U	< 0.17 U	< 0.33 U	< 0.17 U
Tert-Butyl Methyl Ether	10	µg/L		< 0.17 U	< 0.17 U	< 0.33 U	< 0.17 U
Tetrachloroethylene (PCE)	5	µg/L		7.2	49	130	35
Toluene	5	µg/L		< 0.11 U	< 0.11 U	< 0.23 U	< 0.11 U
Trans-1,2-Dichloroethene	5	µg/L		< 0.16 U	< 0.16 U	< 0.31 U	< 0.16 U
Trans-1,3-Dichloropropene	0.4	µg/L		< 0.14 U	< 0.14 U	< 0.29 U	< 0.14 U
Trichloroethylene (TCE)	5	µg/L		0.88 J	2.1	1.7 J	2.2
Trichlorofluoromethane	5	µg/L		< 0.14 U	< 0.14 U	< 0.29 U	< 0.14 U
Vinyl Chloride	2	µg/L		< 0.19 U	< 0.19 U	< 0.39 U	< 0.19 U
Xylenes	5	µg/L		< 1 U	< 1 U	< 2 U	< 1 U

Notes:
1. Screening level is the NYSDEC Class GA Ambient Water Quality Standards, 6 NYCRR Part 703, March 2023.
µg/L = Microgram(s) per liter
J = Concentration is estimated
NSL = No screening level available
VOCs = Volatile organic compounds
U = Analyte not detected
Concentrations exceeding the screening level are shaded

Table C-2. November 2024 Air Sample Results Summary

	Location ID Sample Name Sample Date	IA-184 442024-IA-184-20241113 11/12/2024	IA-195 442024-IA-195-20241113 11/12/2024	SVP-184 442024-SVP-184-20241113 11/12/2024	SVP-195 442024-SVP-195-20241113 11/12/2024	OA-195 442024-OA-195-20241113 11/12/2024	SV-01 442024-SV-1-20241113 11/12/2024	SV-02 442024-SV-2-20241113 11/12/2024	SV-03 442024-SV-3-20241113 11/12/2024	SV-04 442024-SV-4-20241113 11/12/2024
Analyte	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
VOCs (TO15 SIM)										
1,1,1-Trichloroethane (TCA)	µg/m3	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U
1,1,2,2-Tetrachloroethane	µg/m3	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m3	0.414	0.406	0.445	0.56	0.414	0.345 J	0.322 J	0.36 J	0.391
1,1,2-Trichloroethane	µg/m3	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U
1,1-Dichloroethane	µg/m3	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
1,1-Dichloroethene	µg/m3	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U
1,2,4-Trichlorobenzene	µg/m3	< 0.108 U	< 0.108 U	< 0.108 U	< 0.108 U	< 0.108 U	< 0.108 U	< 0.108 U	< 0.108 U	< 0.108 U
1,2,4-Trimethylbenzene	µg/m3	0.354	0.231	4.47	5.06	0.182	2.35	1.98	1.49	2.32
1,2-Dibromoethane (Ethylene Dibromide)	µg/m3	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U
1,2-Dichlorobenzene	µg/m3	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	0.078 J	< 0.037 U	< 0.037 U	< 0.037 U
1,2-Dichloroethane	µg/m3	0.073 J	0.045 J	0.073 J	0.061 J	0.045 J	0.049 J	0.049 J	0.049 J	0.053 J
1,2-Dichloropropane	µg/m3	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
1,2-Dichlorotetrafluoroethane	µg/m3	0.112 J	0.098 J	0.105 J	0.105 J	0.105 J	0.098 J	0.098 J	0.098 J	0.105 J
1,3,5-Trimethylbenzene (Mesitylene)	µg/m3	0.059 J	< 0.047 U	0.413	0.634	< 0.047 U	0.221	0.157	0.118	0.192
1,3-Dichlorobenzene	µg/m3	< 0.046 U	< 0.046 U	0.643	0.727	< 0.046 U	0.607	1.15	0.848	0.721
1,4-Dichlorobenzene	µg/m3	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U
1,4-Dioxane (P-Dioxane)	µg/m3	< 0.124 U	< 0.124 U	< 0.124 U	< 0.124 U	< 0.124 U	< 0.124 U	< 0.124 U	< 0.124 U	< 0.124 U
2,2,4-Trimethylpentane	µg/m3	0.364 J	< 0.173 U	2.13	2.29	< 0.173 U	2.15	1.87	1.14	1.3
Benzene	µg/m3	0.521	2.68	0.664	1.75	0.288 J	0.795	1.66	0.47	0.649
Benzyl Chloride	µg/m3	< 0.172 U	< 0.172 U	< 0.172 U	< 0.172 U	< 0.172 U	< 0.172 U	< 0.172 U	< 0.172 U	< 0.172 U
Bromodichloromethane	µg/m3	0.201	0.523	0.161	0.335	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Bromoform	µg/m3	< 0.115 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.115 U	< 0.115 U
Bromomethane	µg/m3	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U
Carbon Tetrachloride	µg/m3	0.522	0.465	0.484	0.39	0.453	0.39	0.365	0.39	0.44
Chlorobenzene	µg/m3	< 0.119 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.119 U	< 0.119 U
Chloroethane	µg/m3	< 0.104 U	< 0.104 U	< 0.104 U	< 0.104 U	< 0.104 U	< 0.104 U	< 0.104 U	< 0.104 U	< 0.104 U
Chloroform	µg/m3	1.58	5.18	1.29	4.33	0.073 J	0.117	0.117	0.098	0.117
Chloromethane (Methyl Chloride)	µg/m3	1.21	2.97	0.888	1.27	0.931	0.731	0.816	0.952	0.843
Cis-1,2-Dichloroethylene	µg/m3	< 0.04 U	< 0.04 U	0.083	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
Cis-1,3-Dichloropropene	µg/m3	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U
Cyclohexane	µg/m3	0.2 J	< 0.108 U	0.503 J	0.558 J	< 0.108 U	0.496 J	0.509 J	0.265 J	0.317 J
Dibromochloromethane	µg/m3	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U
Dichlorodifluoromethane	µg/m3	1.9	2.55	1.97	2.8	1.84	1.77	1.75	1.95	1.75
Ethanol	µg/m3	3980 J	893 J	2810 J	467	3.69 J	288	271	186	213
Ethylbenzene	µg/m3	0.46	0.109	1.44	1.67	0.065 J	0.899	0.669	0.495	0.791
Hexachlorobutadiene	µg/m3	< 0.117 U	< 0.117 U	< 0.117 U	< 0.117 U	< 0.117 U	< 0.117 U	< 0.117 U	< 0.117 U	< 0.117 U
Methyl Ethyl Ketone (2-Butanone)	µg/m3	2.87	2.16	3.1	2.91	< 0.389 U	1.69	1.74	1.67	1.59
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/m3	< 0.783 U	< 0.783 U	1.32 J	0.816 J	< 0.783 U	< 0.783 U	< 0.783 U	< 0.783 U	< 0.783 U
Methylene Chloride	µg/m3	0.472 J	< 0.382 U	0.431 J	< 0.382 U	0.389 J	< 0.382 U	< 0.382 U	< 0.382 U	0.462 J
M-P-Xylene	µg/m3	0.547	0.243	4.17	5.43	0.208	2.91	2.15	1.56	2.65
Naphthalene	µg/m3	< 0.11 U	0.121 J	0.325	0.451	< 0.11 U	1.01	< 0.11 U	< 0.11 U	< 0.11 U
N-Heptane	µg/m3	0.897	3.01	1.24	2.77	0.135 J	1.13	1.05	0.586 J	0.77 J
N-Hexane	µg/m3	< 0.166 U	0.994	< 0.166 U	1.39	< 0.166 U	0.909	1.27	0.49 J	0.645 J
O-Xylene (1,2-Dimethylbenzene)	µg/m3	0.261	0.126	2.1	2.78	0.109	1.39	1.03	0.777	1.36
Styrene	µg/m3	0.434	0.409	0.541	0.464	< 0.034 U	0.055 J	< 0.034 U	< 0.034 U	0.102
Tert-Butyl Alcohol	µg/m3	< 0.406 U	< 0.406 U	1.59	1.76	< 0.406 U	1.05 J	1.35 J	0.894 J	1.11 J
Tert-Butyl Methyl Ether	µg/m3	< 0.094 U	< 0.094 U	< 0.094 U	< 0.094 U	< 0.094 U	< 0.094 U	< 0.094 U	< 0.094 U	< 0.094 U
Tetrachloroethylene (PCE)	µg/m3	0.604	2.28	1.68	2.99	0.115 J	0.142	1.97	0.481	5.78
Toluene	µg/m3	1.12	0.641	4.11	5.65	0.403	3.88	2.74	1.81	2.86
Trans-1,2-Dichloroethene	µg/m3	< 0.036 U	< 0.036 U	0.079	< 0.036 U	0.04 J	< 0.036 U	< 0.036 U	< 0.036 U	0.095
Trans-1,3-Dichloropropene	µg/m3	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U
Trichloroethylene (TCE)	µg/m3	< 0.032 U	0.065 J	0.059 J	0.145	< 0.032 U	< 0.032 U	0.081 J	< 0.032 U	0.516
Trichlorofluoromethane	µg/m3	0.899	4.77	0.961	5.19	0.899	0.86	0.837	0.877	0.894
Vinyl Chloride	µg/m3	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U	0.028 J	0.041 J	0.036 J	0.026 J

Notes:
µg/m3 = Microgram(s) per meter cubed.
J = Concentration is estimated.
U = Analyte not detected
VOCs = Volatile organic compounds

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Appendix D

Laboratory Reports (Provided via EQuIS v4 EDD)

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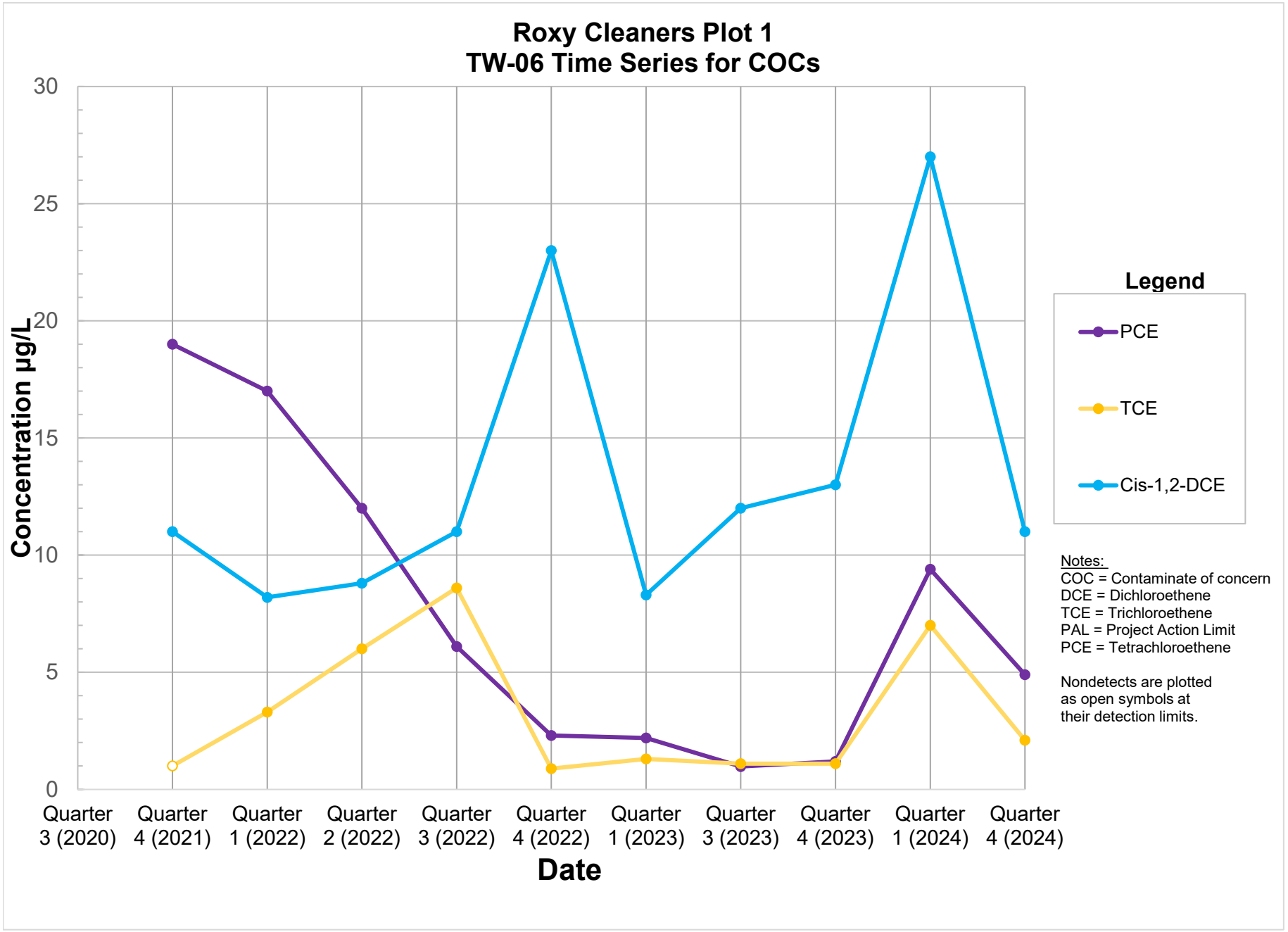
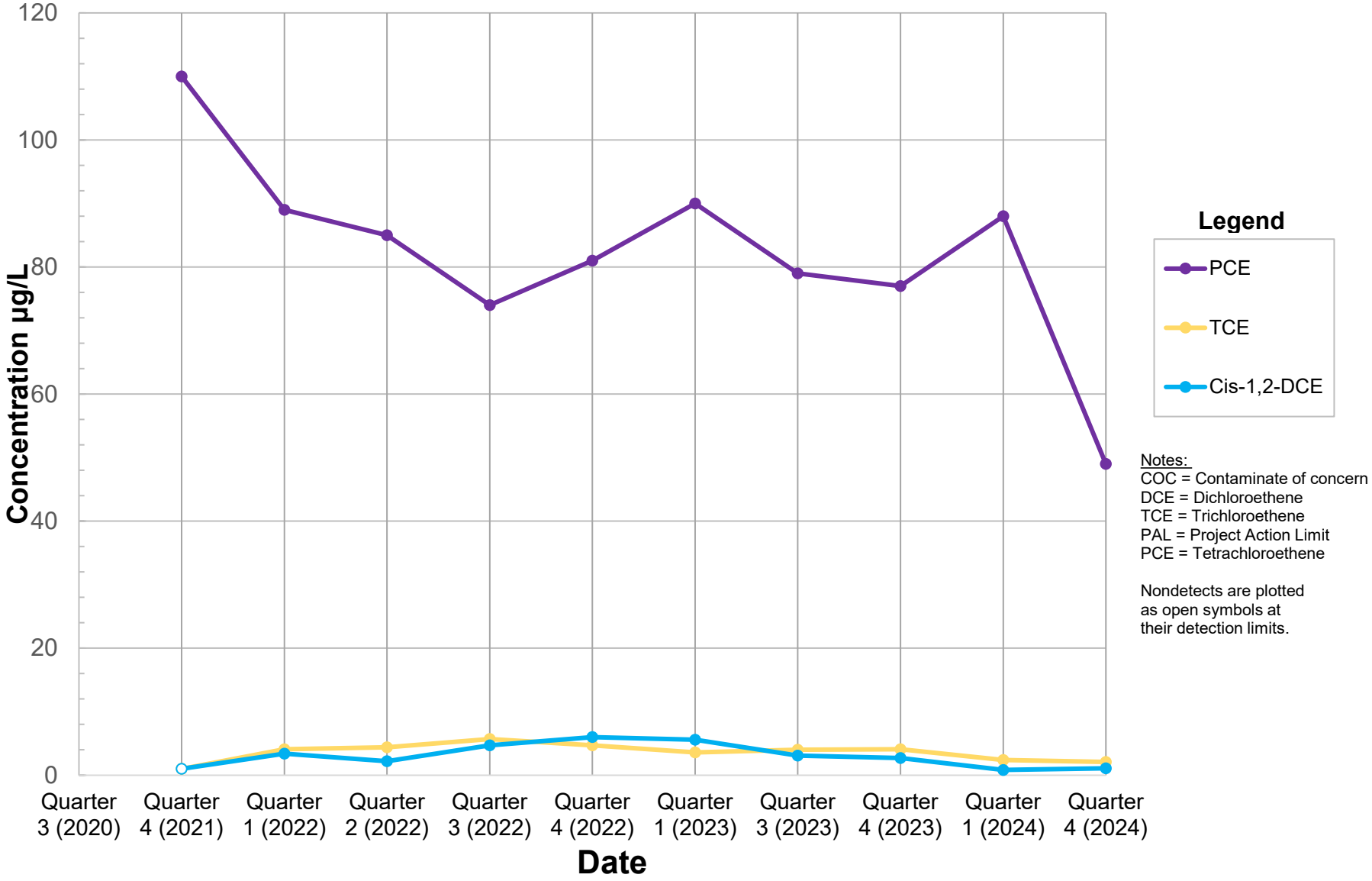
Appendix E

Groundwater Time Series Plots


Roxy Cleaners Plot 1
TW-06 Time Series for COCs
Concentration µg/L
30
25
20
15
10
5
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

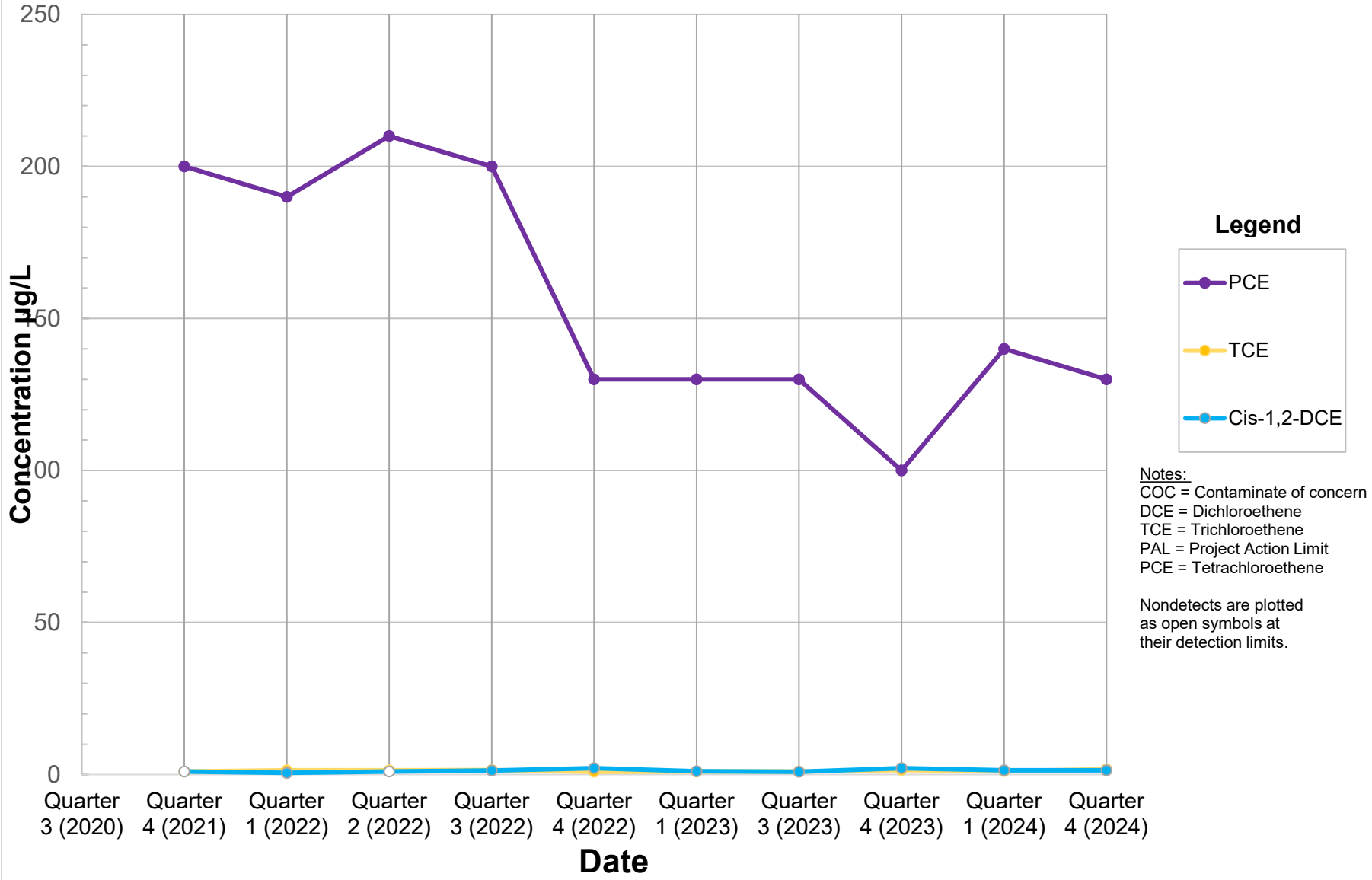
Roxy Cleaners Plot 2(a)
TW-09 Time Series for COCs



Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene

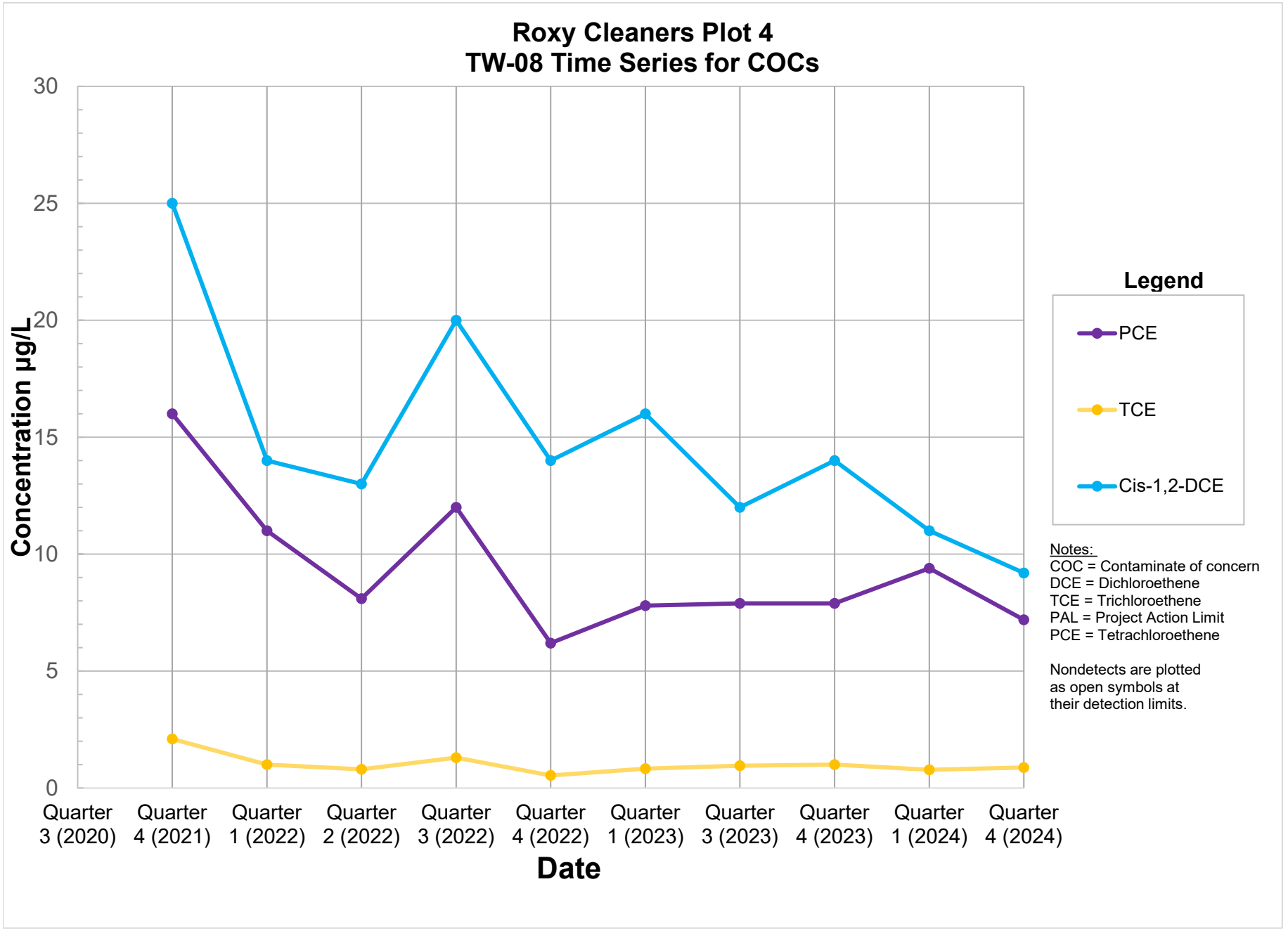
Nondetects are plotted as open symbols at their detection limits.

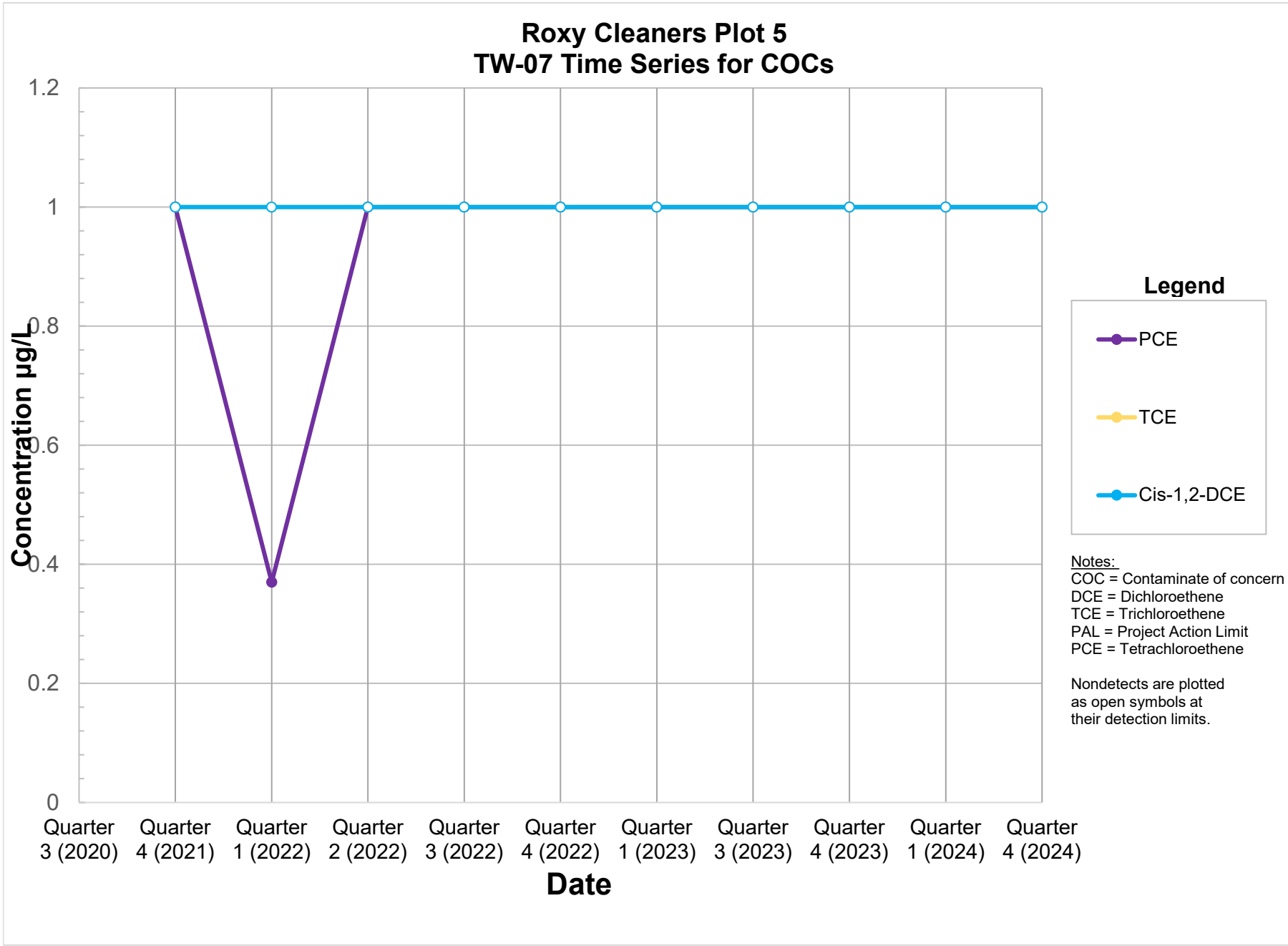
Roxy Cleaners Plot 3TW-10 Time Series for COCs



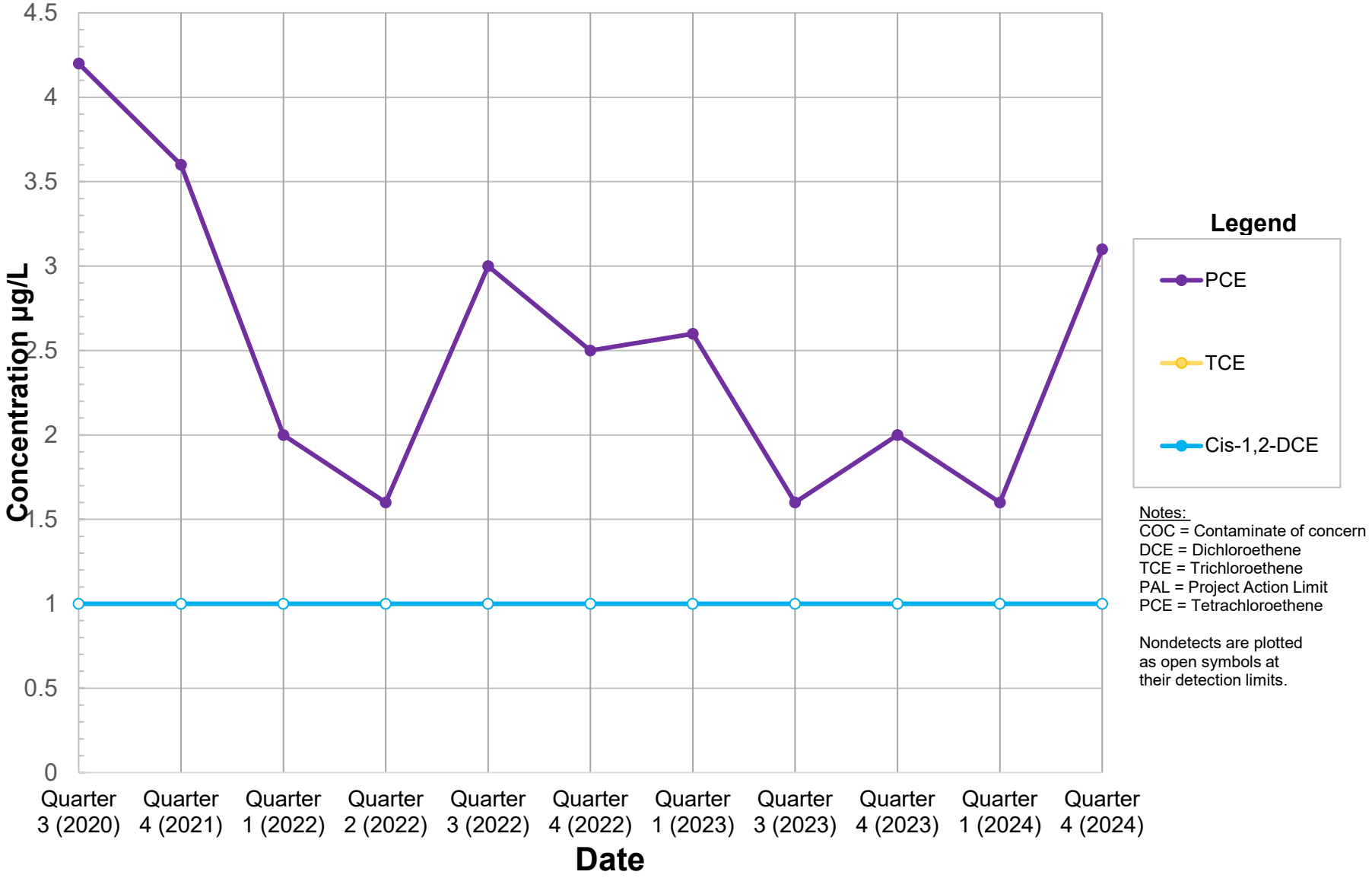
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene

Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 4
TW-08 Time Series for COCs
Concentration µg/L
30
25
20
15
10
5
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

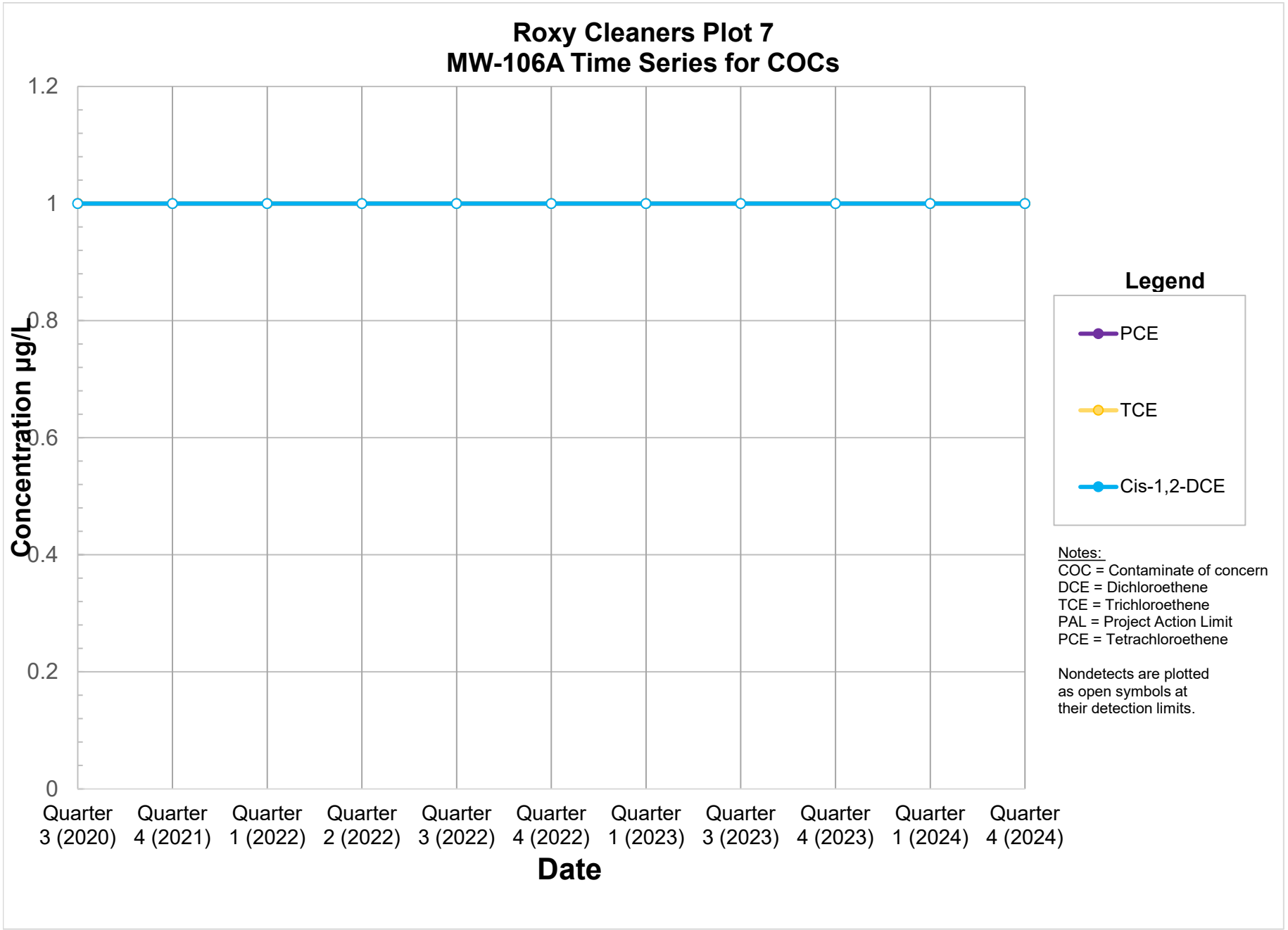

Roxy Cleaners Plot 5
TW-07 Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

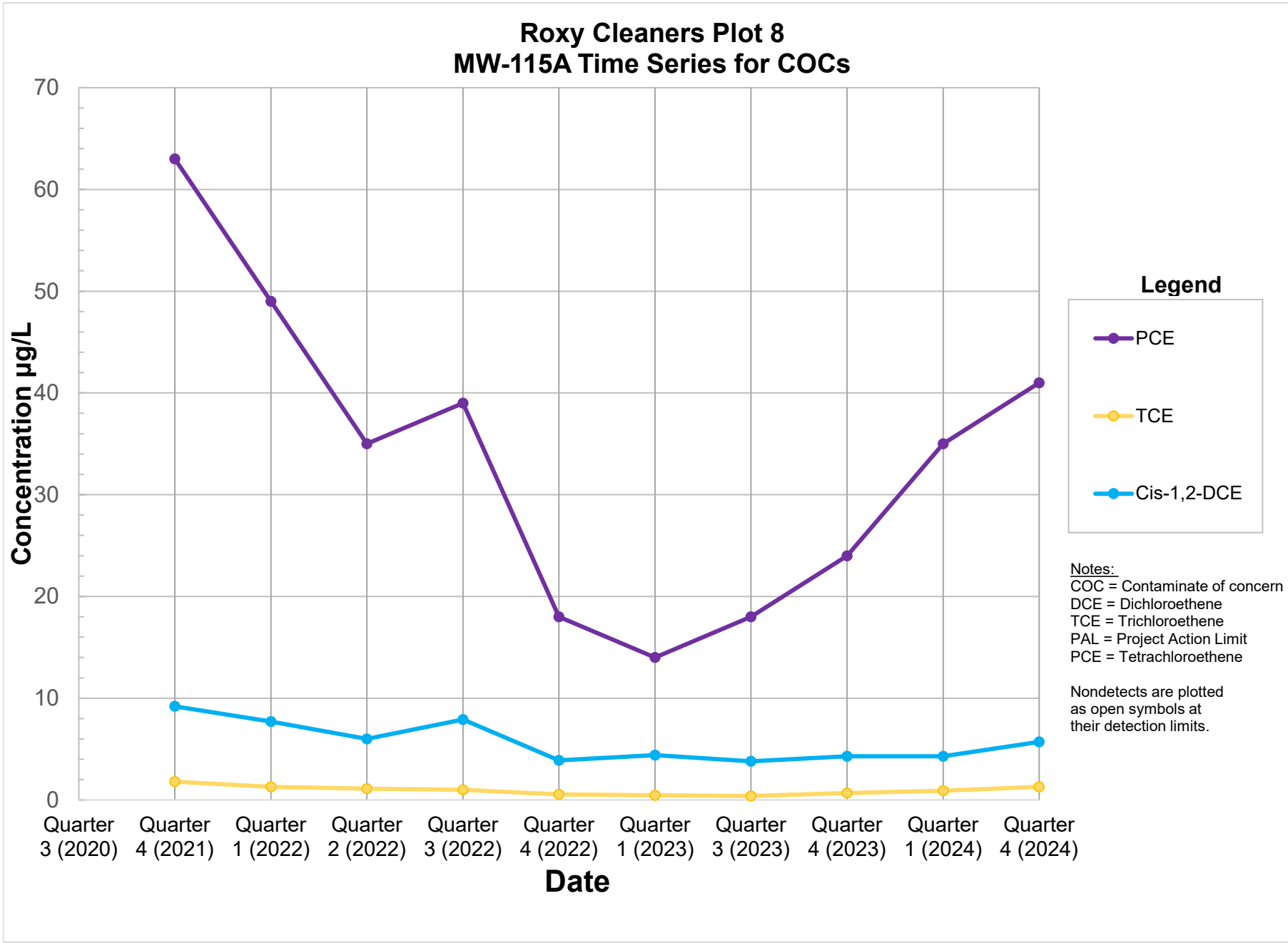
Roxy Cleaners Plot 6
MW-111 Time Series for COCs

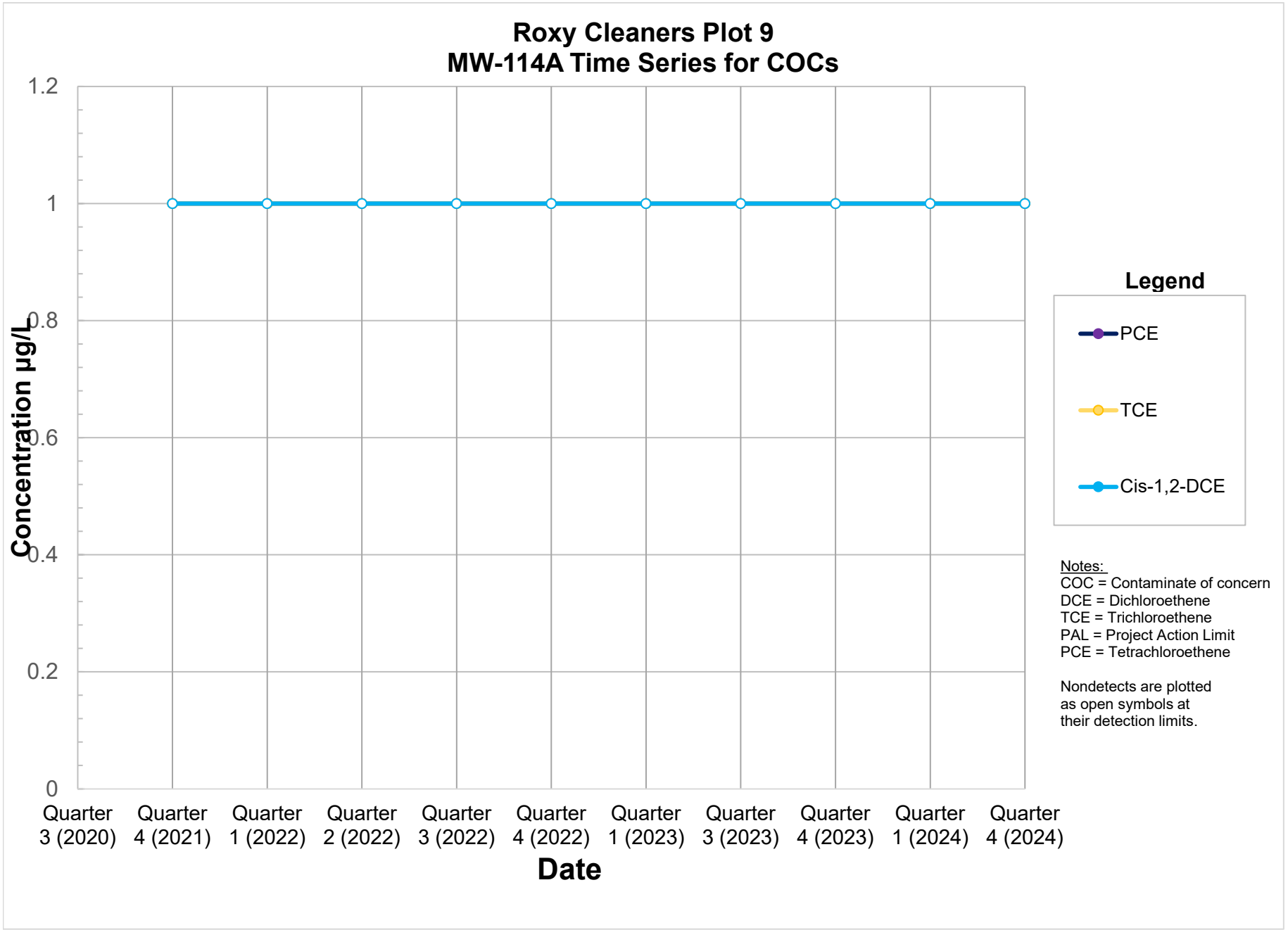


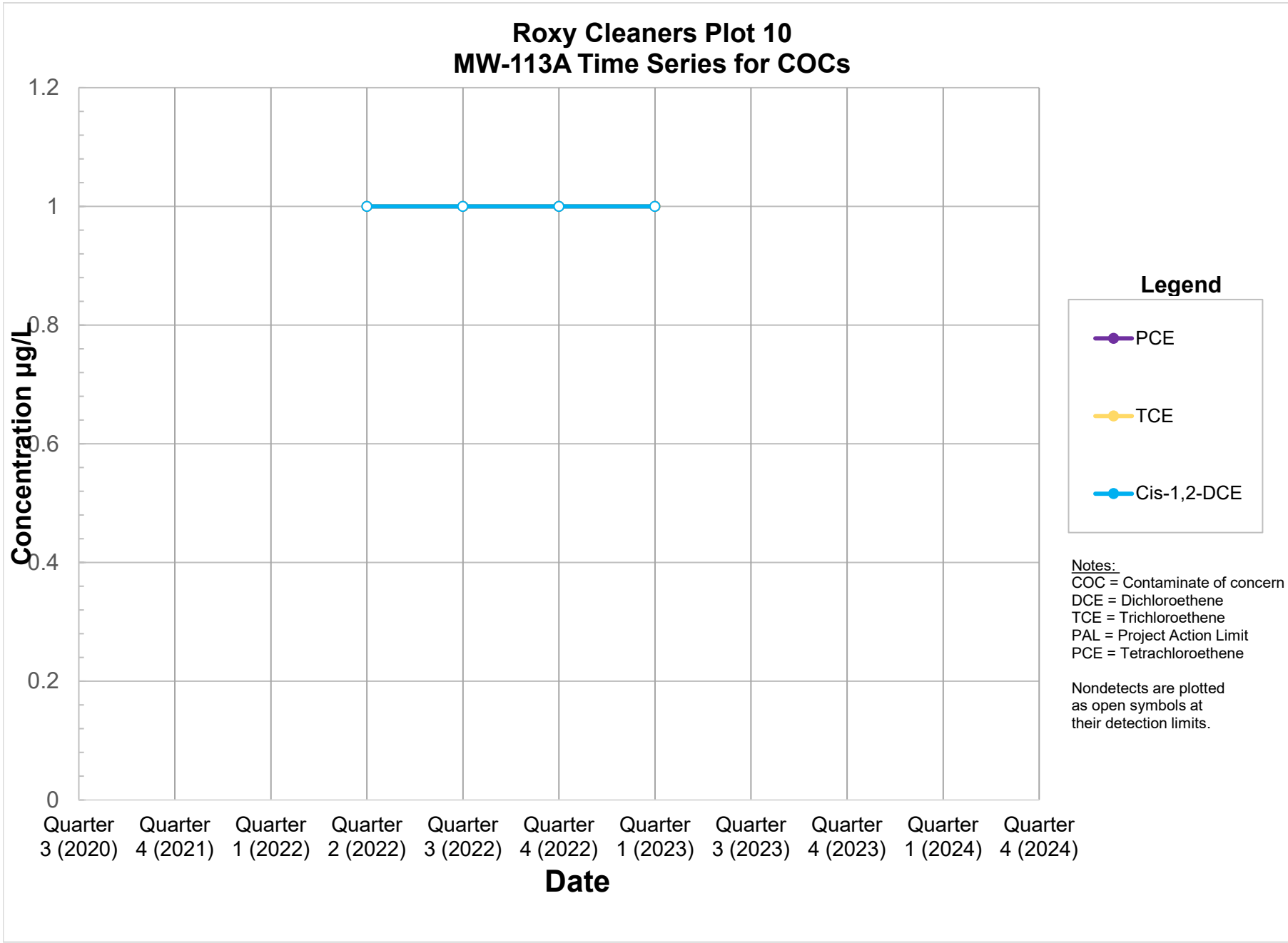
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene

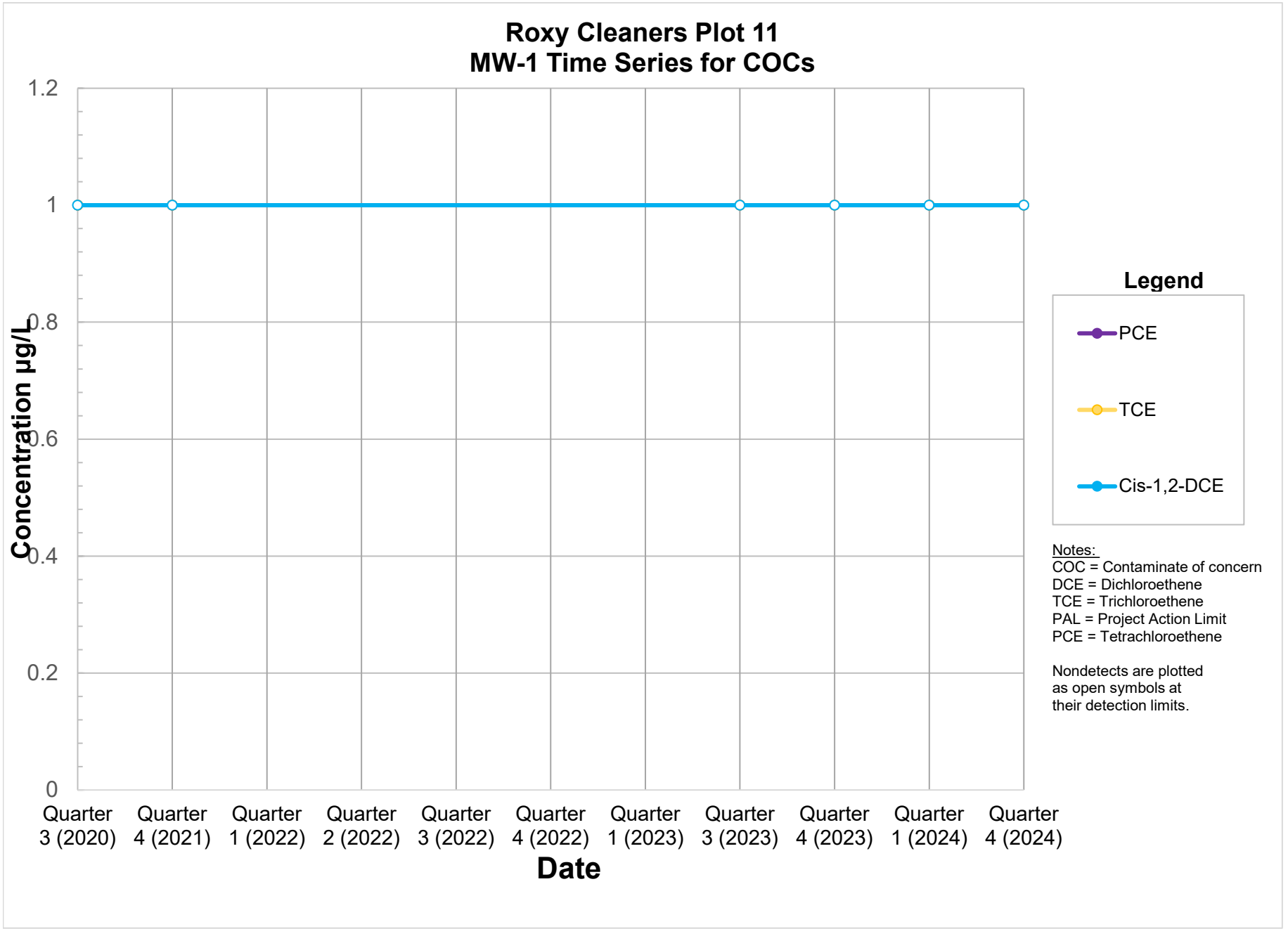
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 7
MW-106A Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

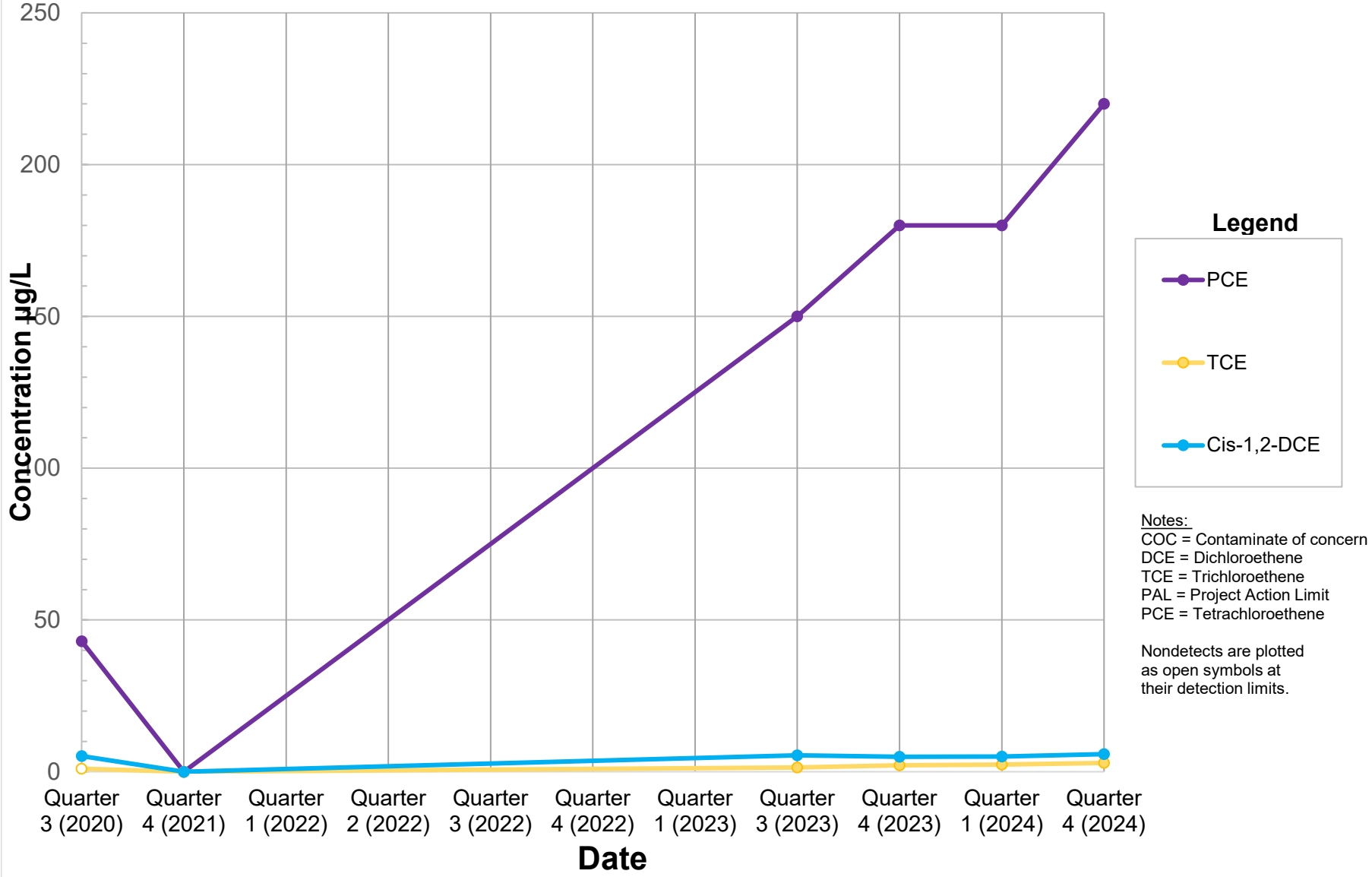

Roxy Cleaners Plot 8
MW-115A Time Series for COCs
Concentration µg/L
70
60
50
40
30
20
10
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 9
MW-114A Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 10
MW-113A Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 11
MW-1 Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

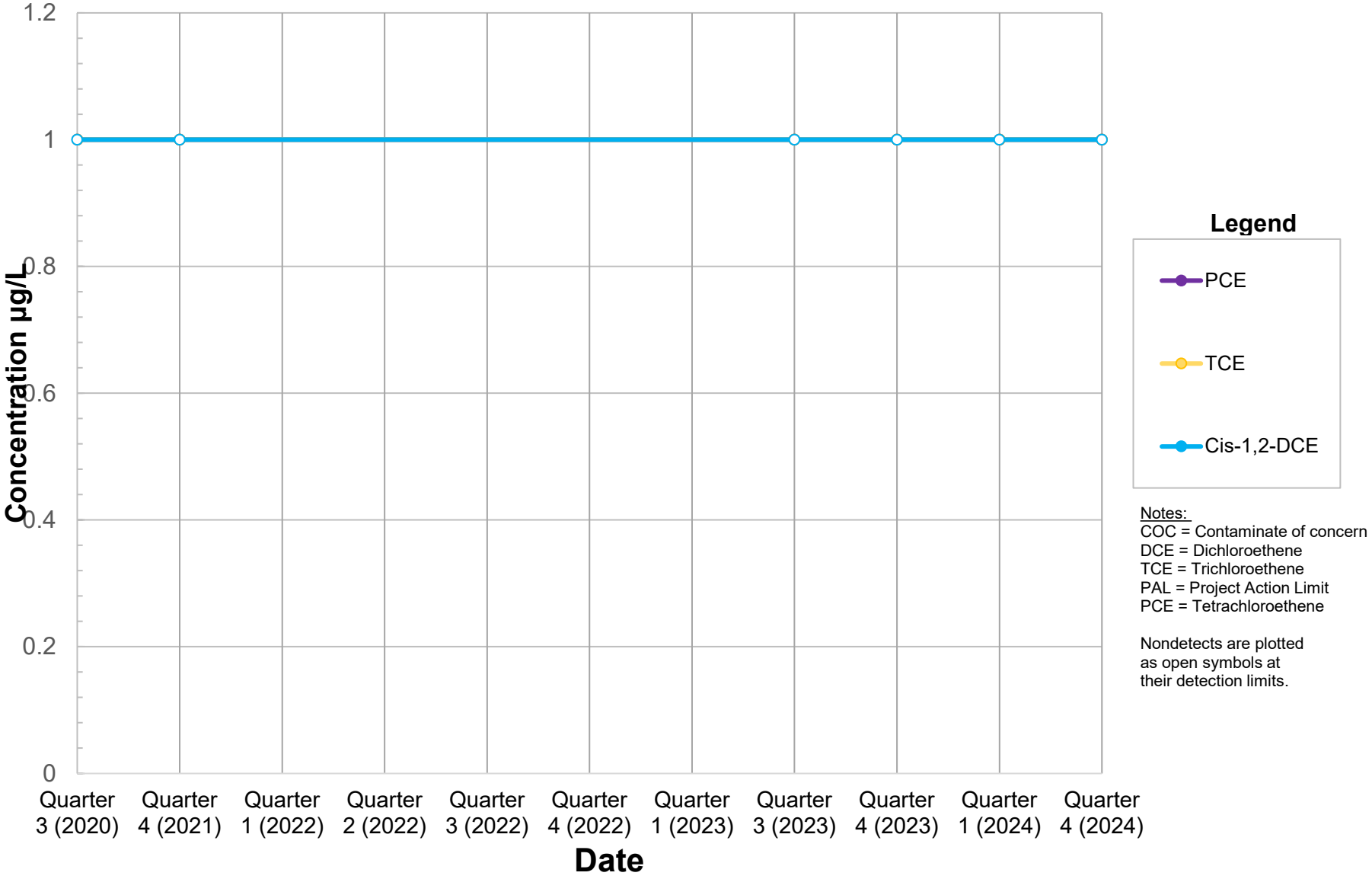
Roxy Cleaners Plot 12
MW-2 Time Series for COCs



Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene

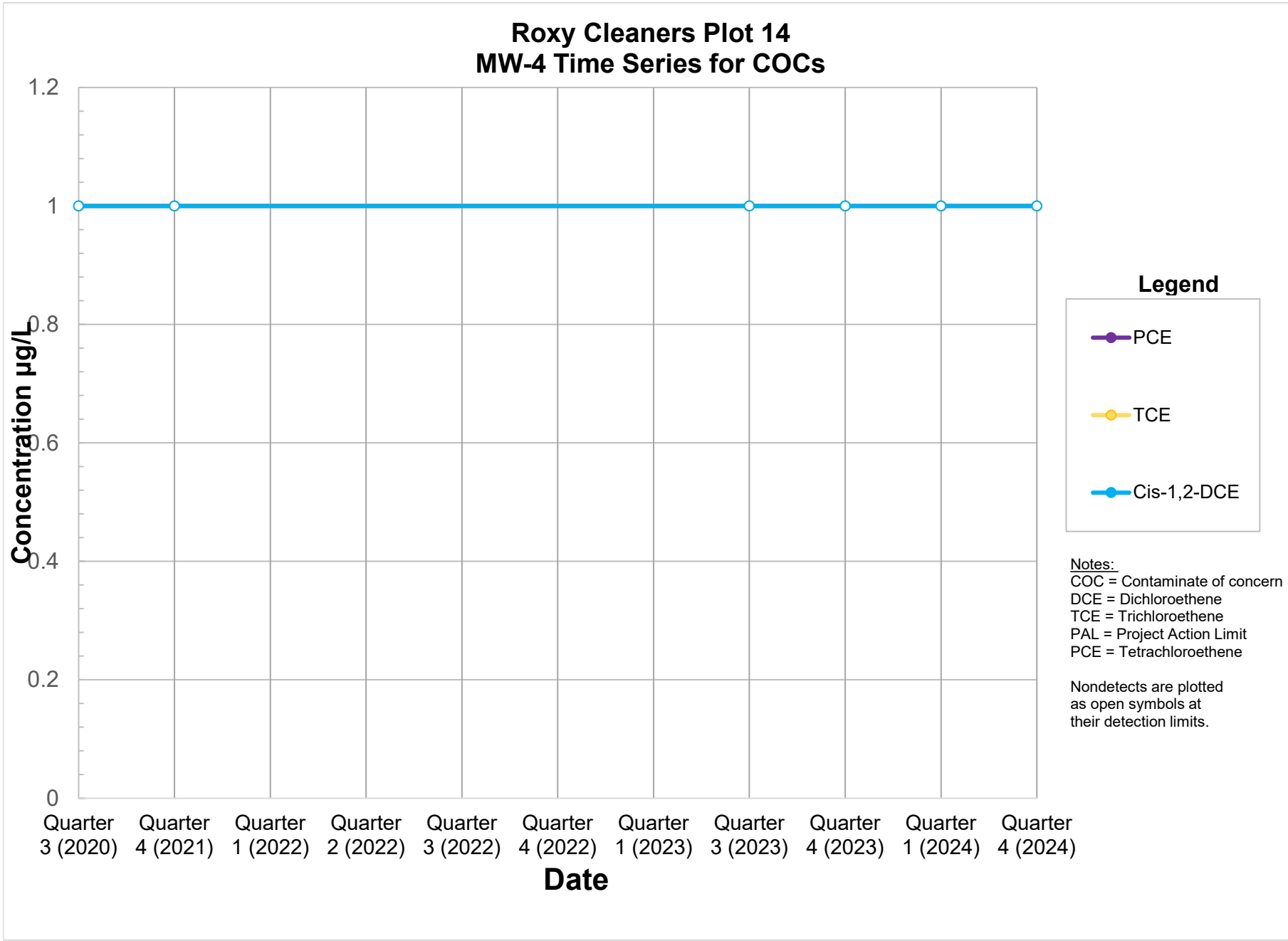
Nondetects are plotted as open symbols at their detection limits.

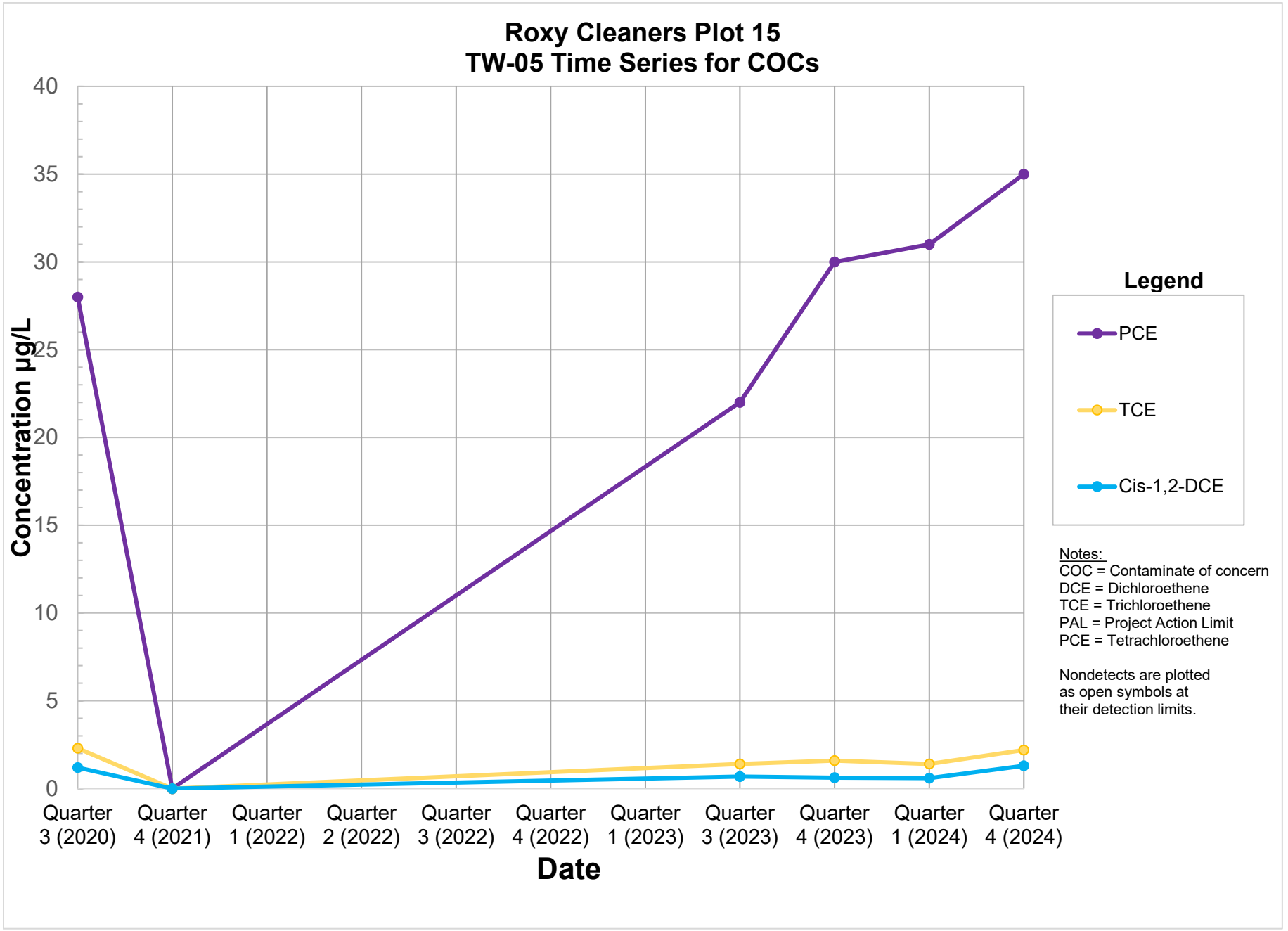
Roxy Cleaners Plot 13
MW-3 Time Series for COCs



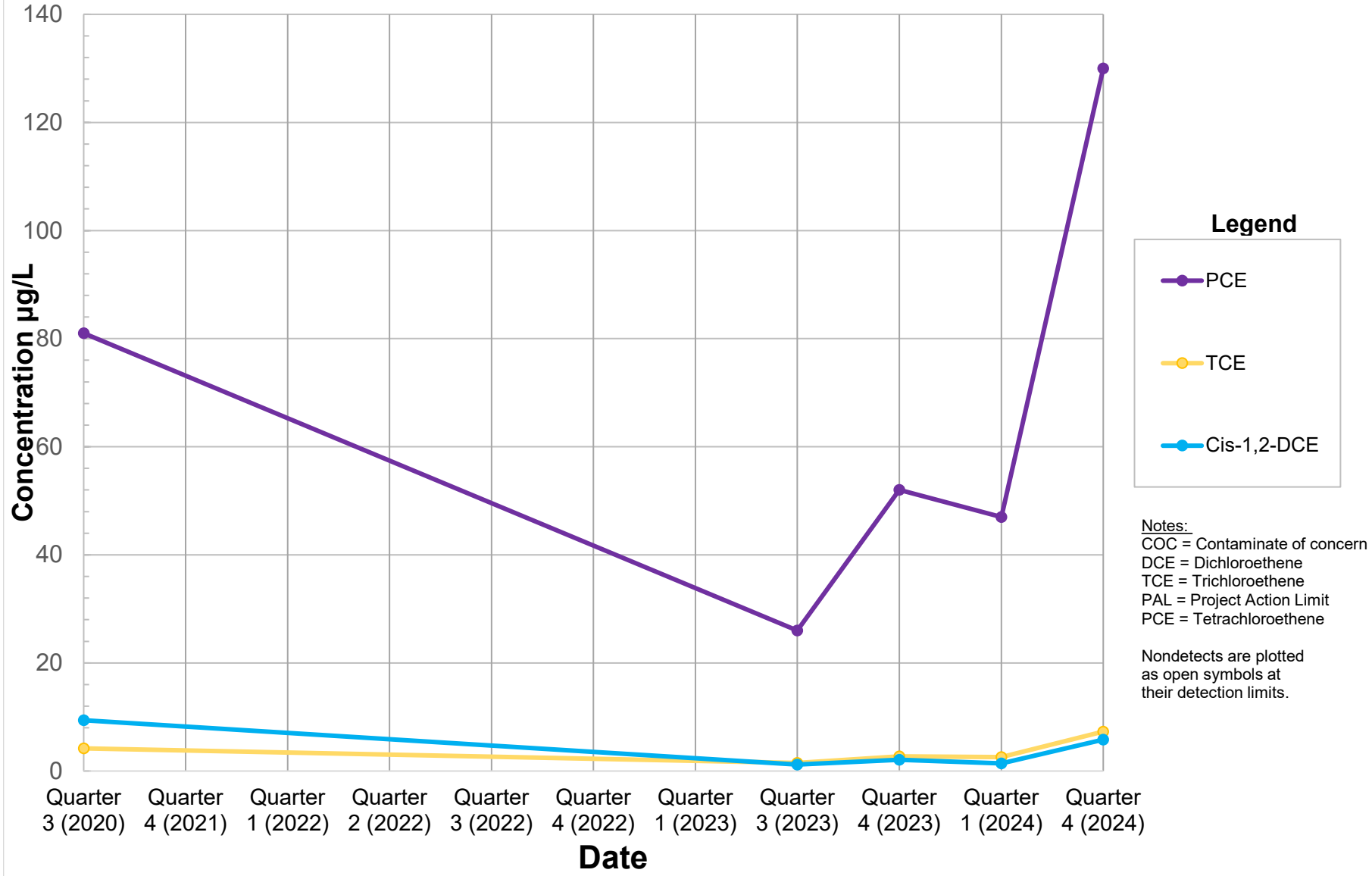
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene

Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 14
MW-4 Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

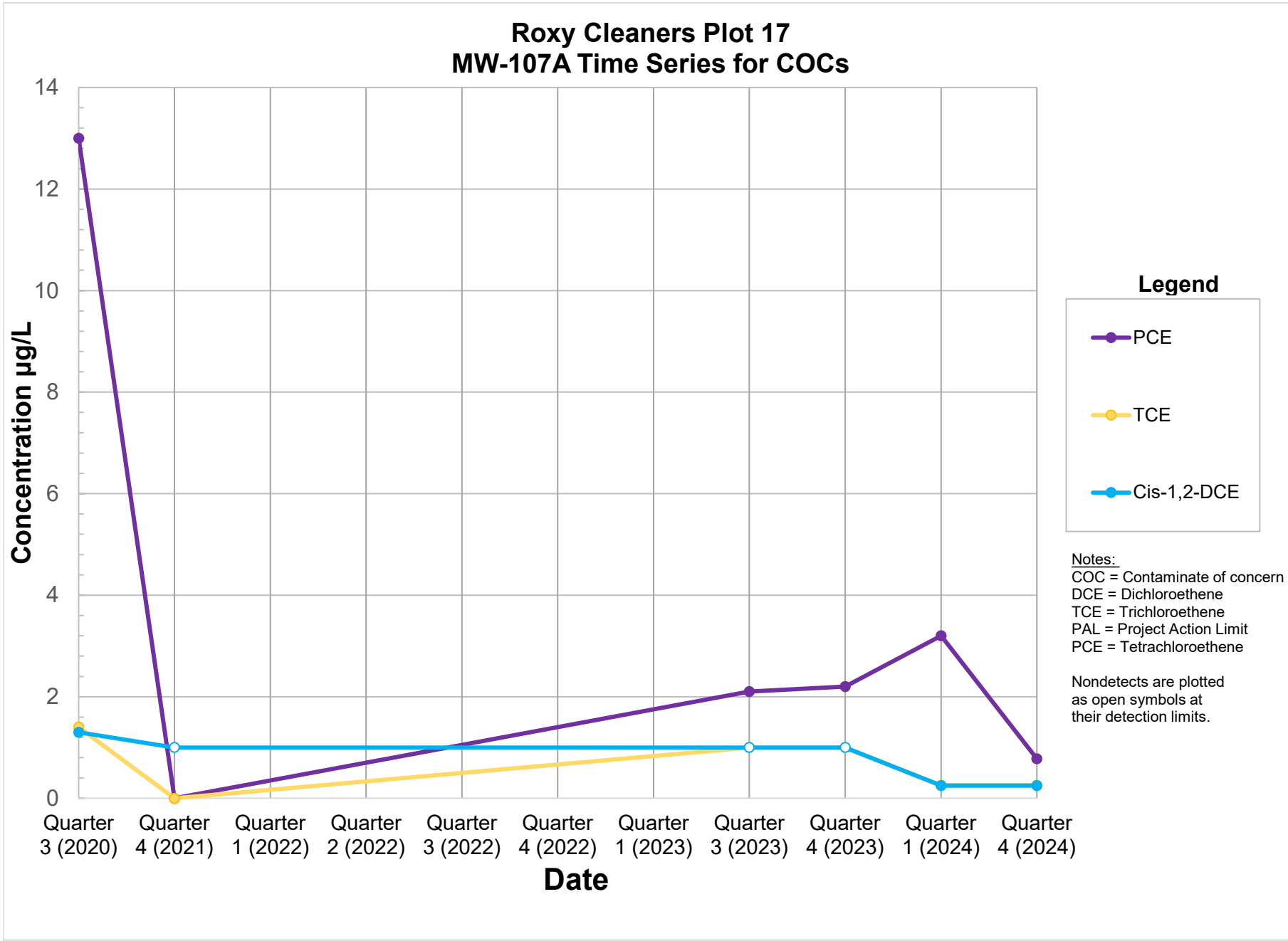

Roxy Cleaners Plot 15
TW-05 Time Series for COCs
Concentration µg/L
40
35
30
25
20
15
10
5
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

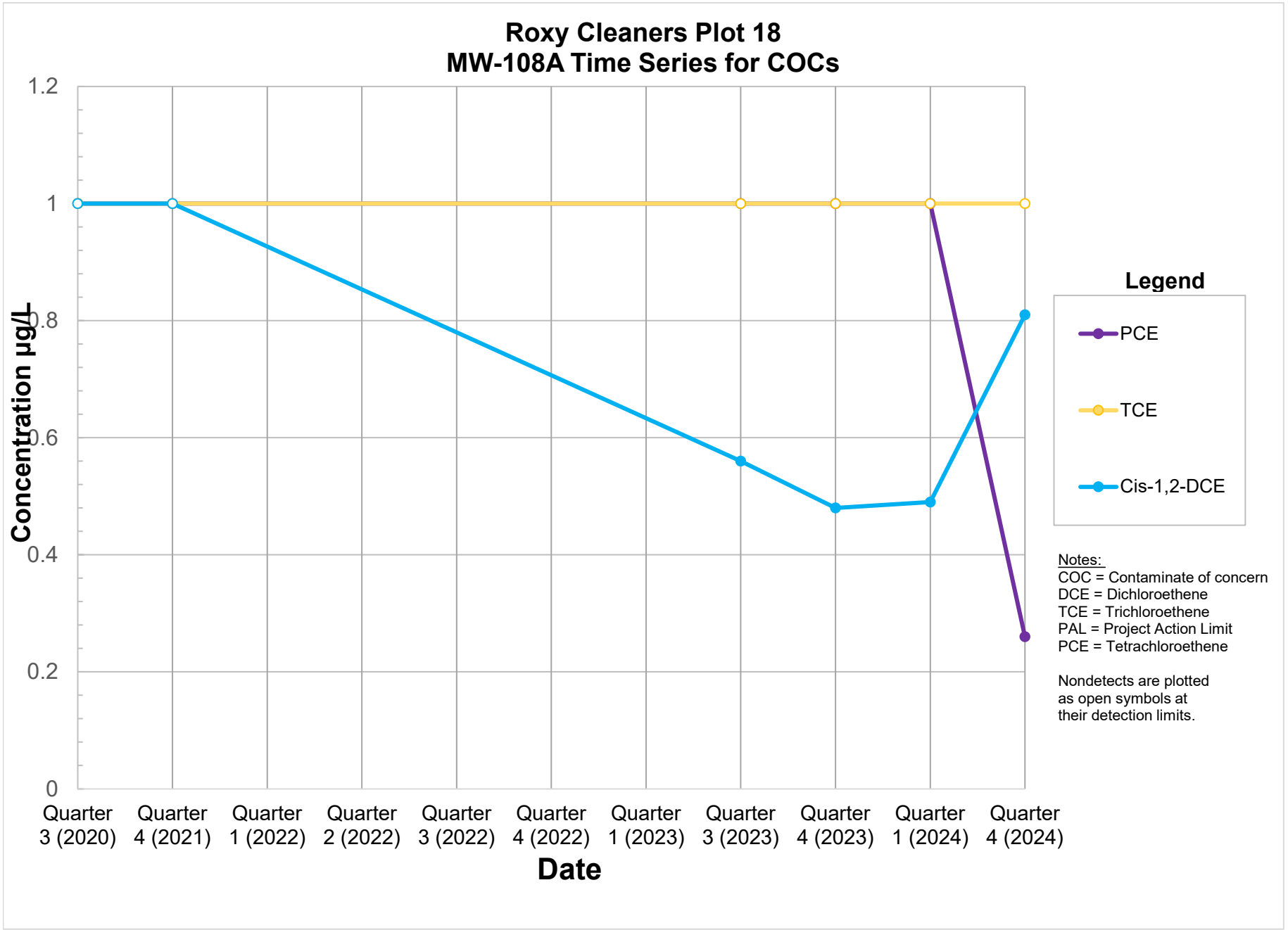
Roxy Cleaners Plot 16
MW-103A Time Series for COCs



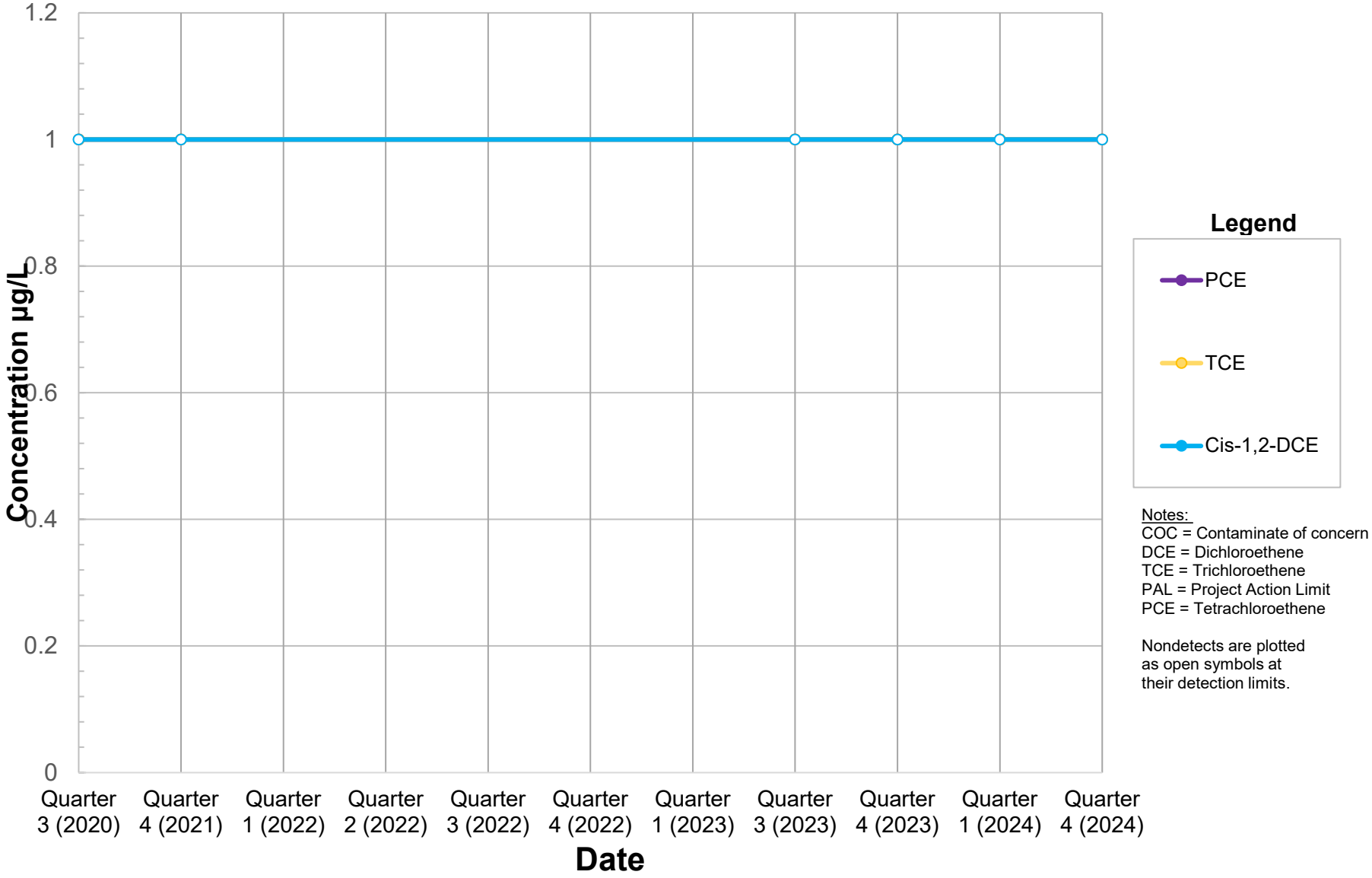
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene

Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 17
MW-107A Time Series for COCs
Concentration µg/L
14
12
10
8
6
4
2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

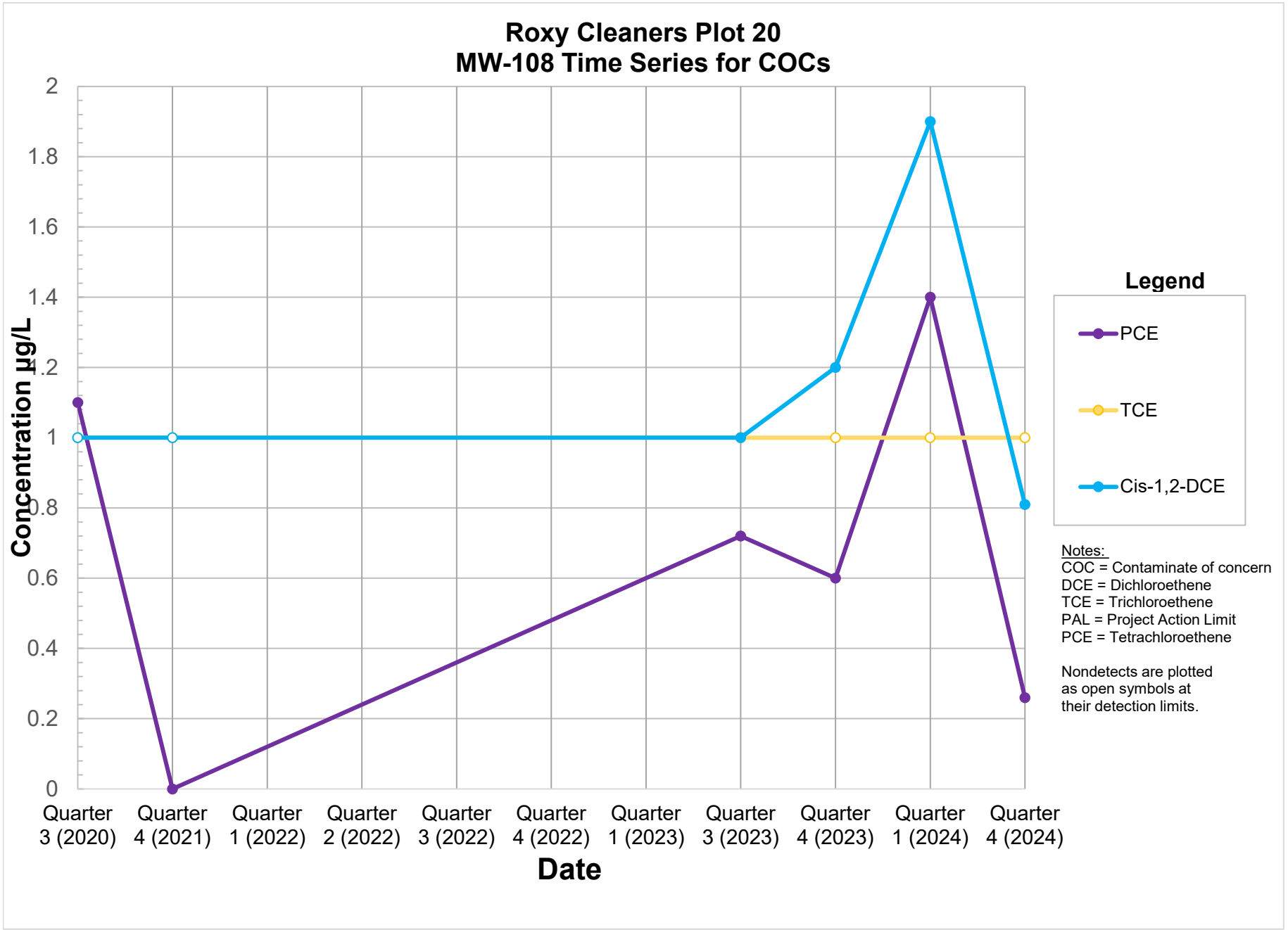

Roxy Cleaners Plot 18
MW-108A Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

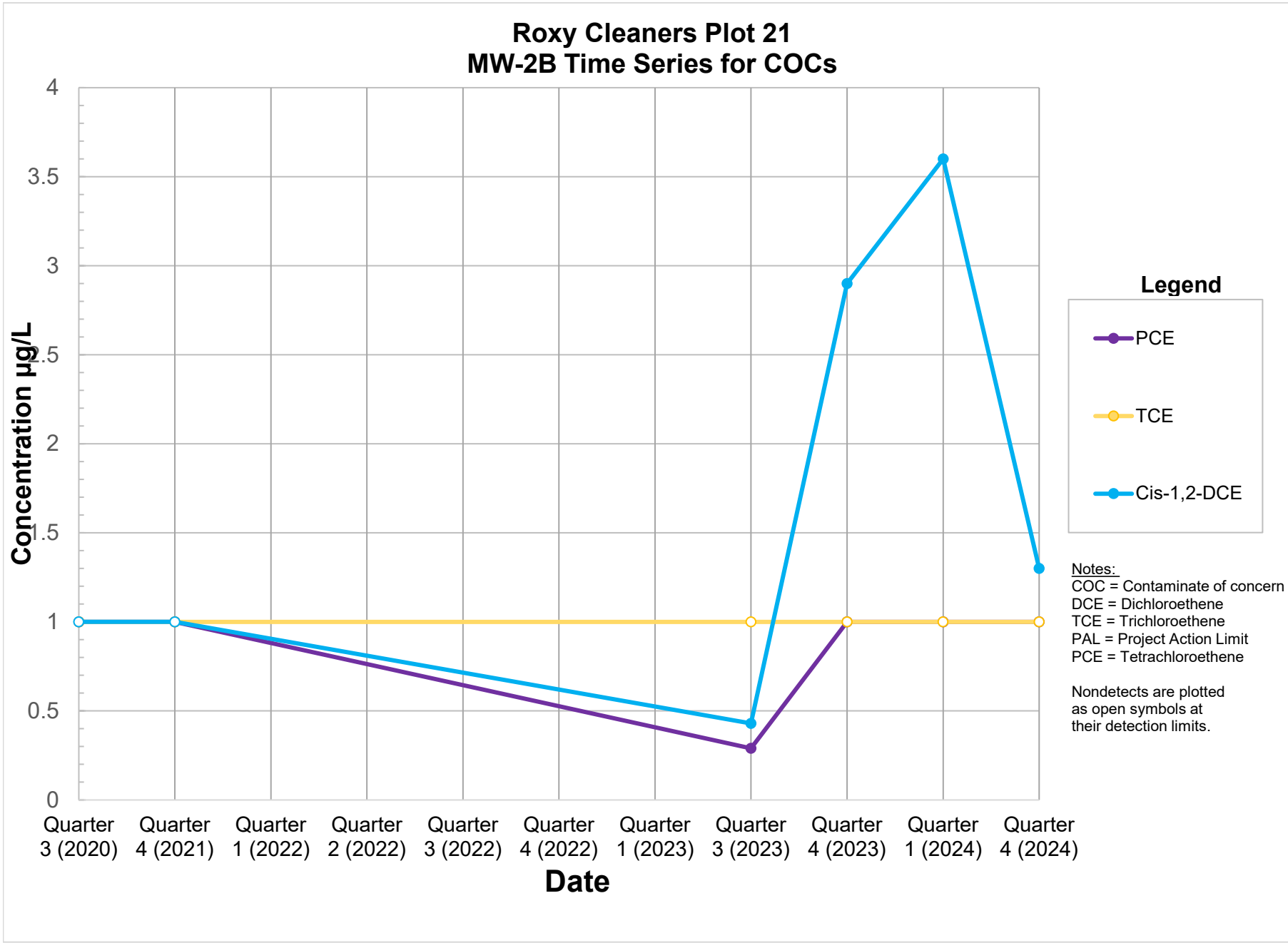
Roxy Cleaners Plot 19
MW-106 Time Series for COCs

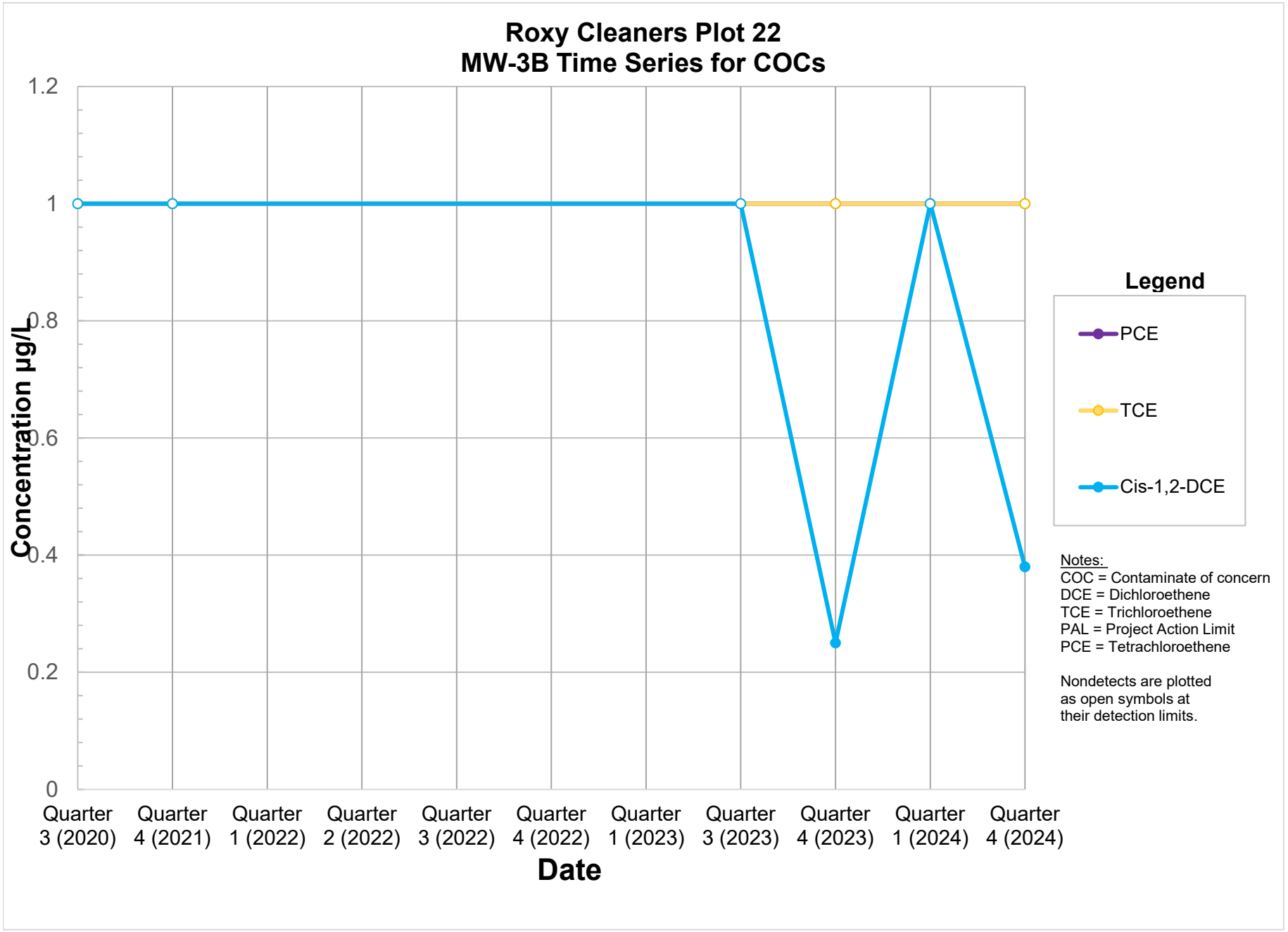


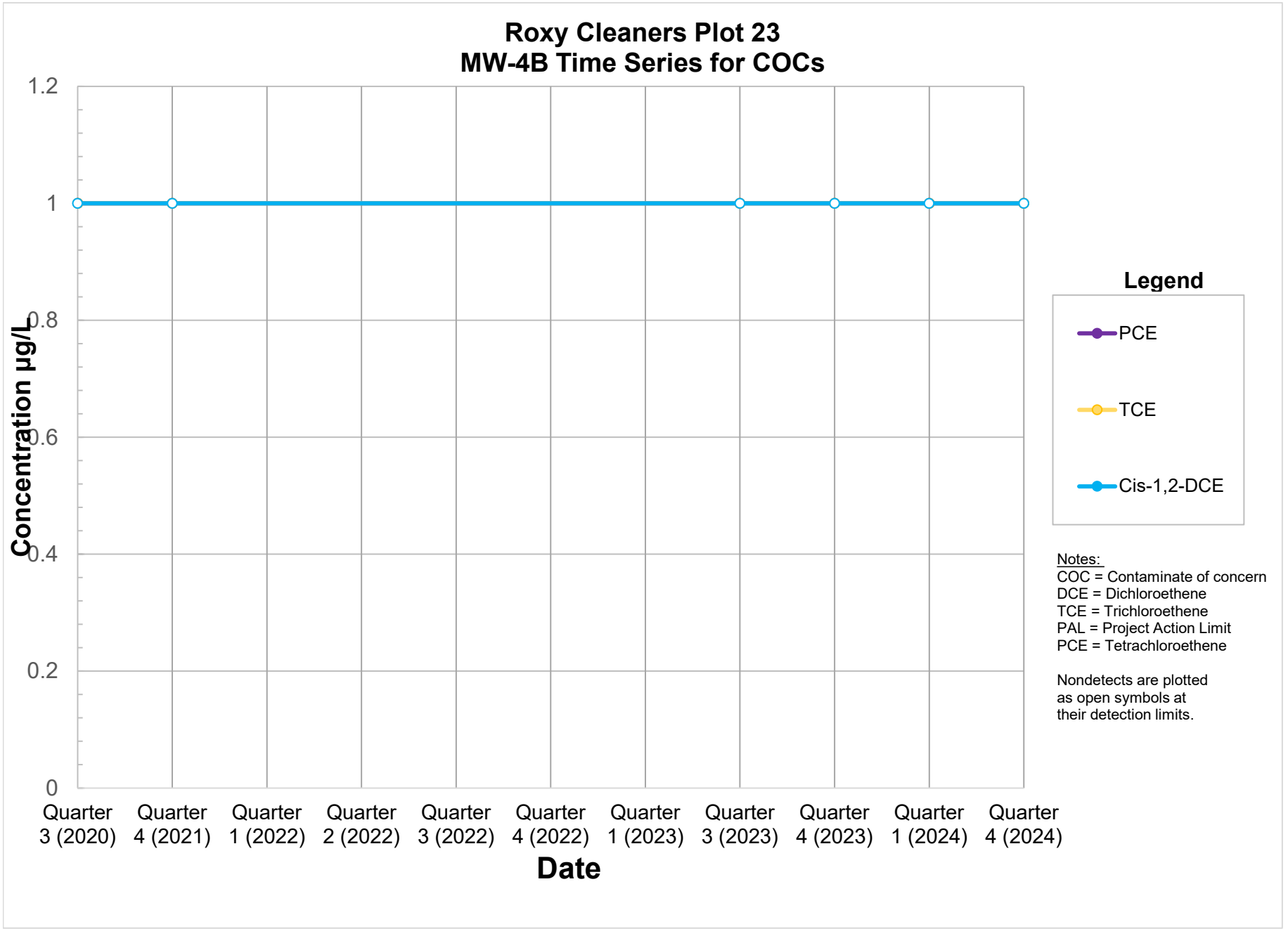
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene

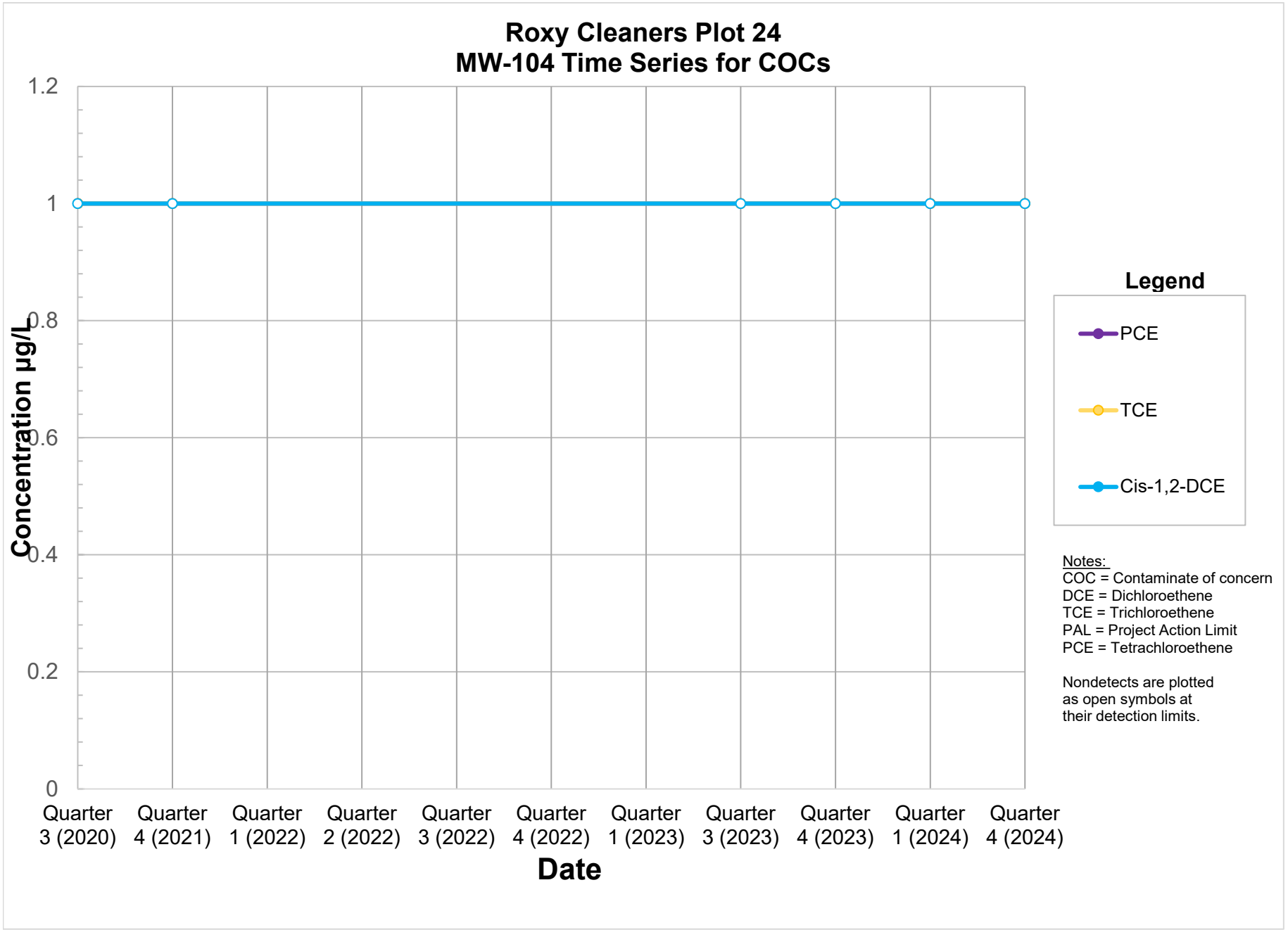
Nondetects are plotted as open symbols at their detection limits.

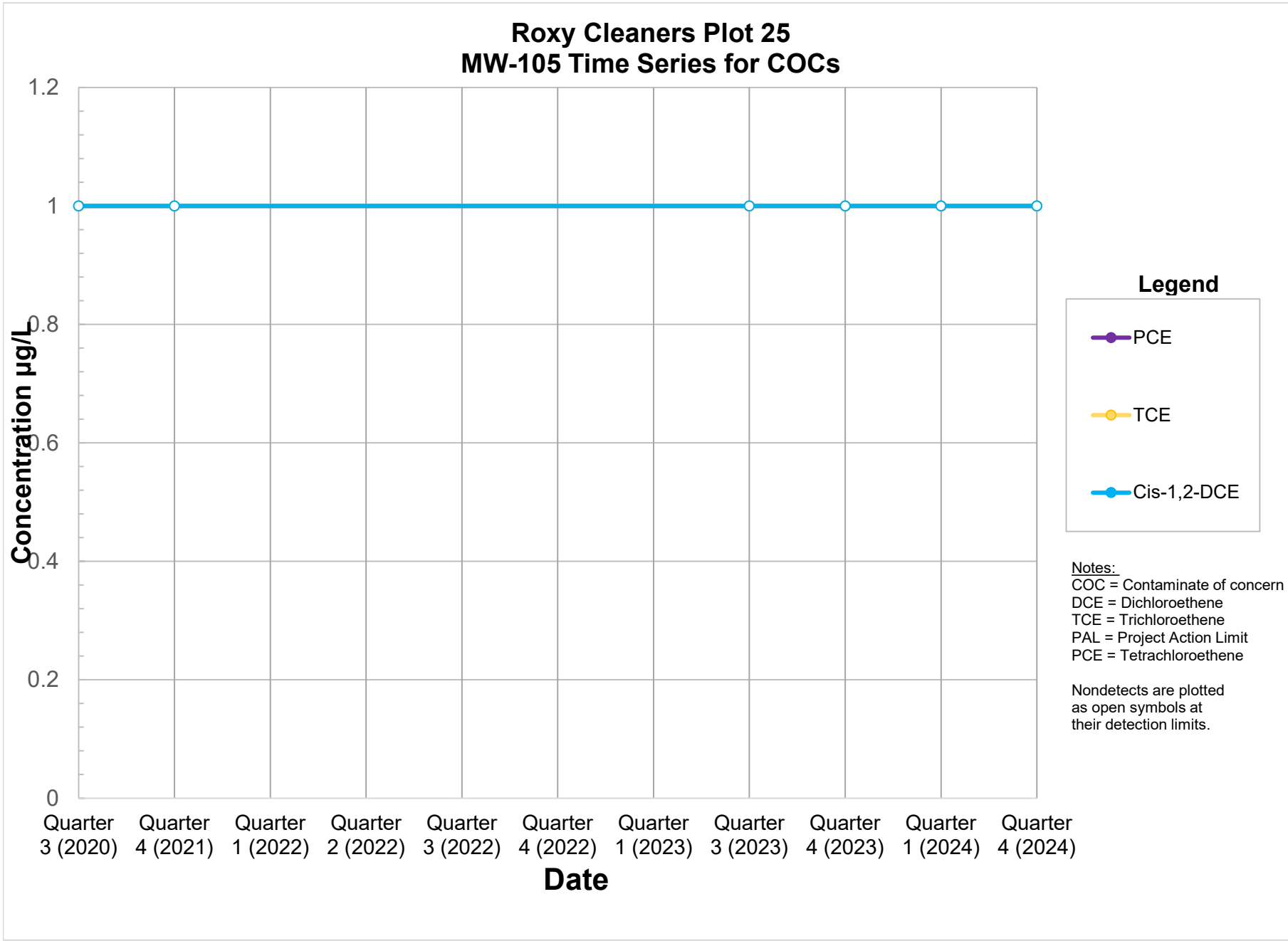

Roxy Cleaners Plot 20
MW-108 Time Series for COCs
Concentration µg/L
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

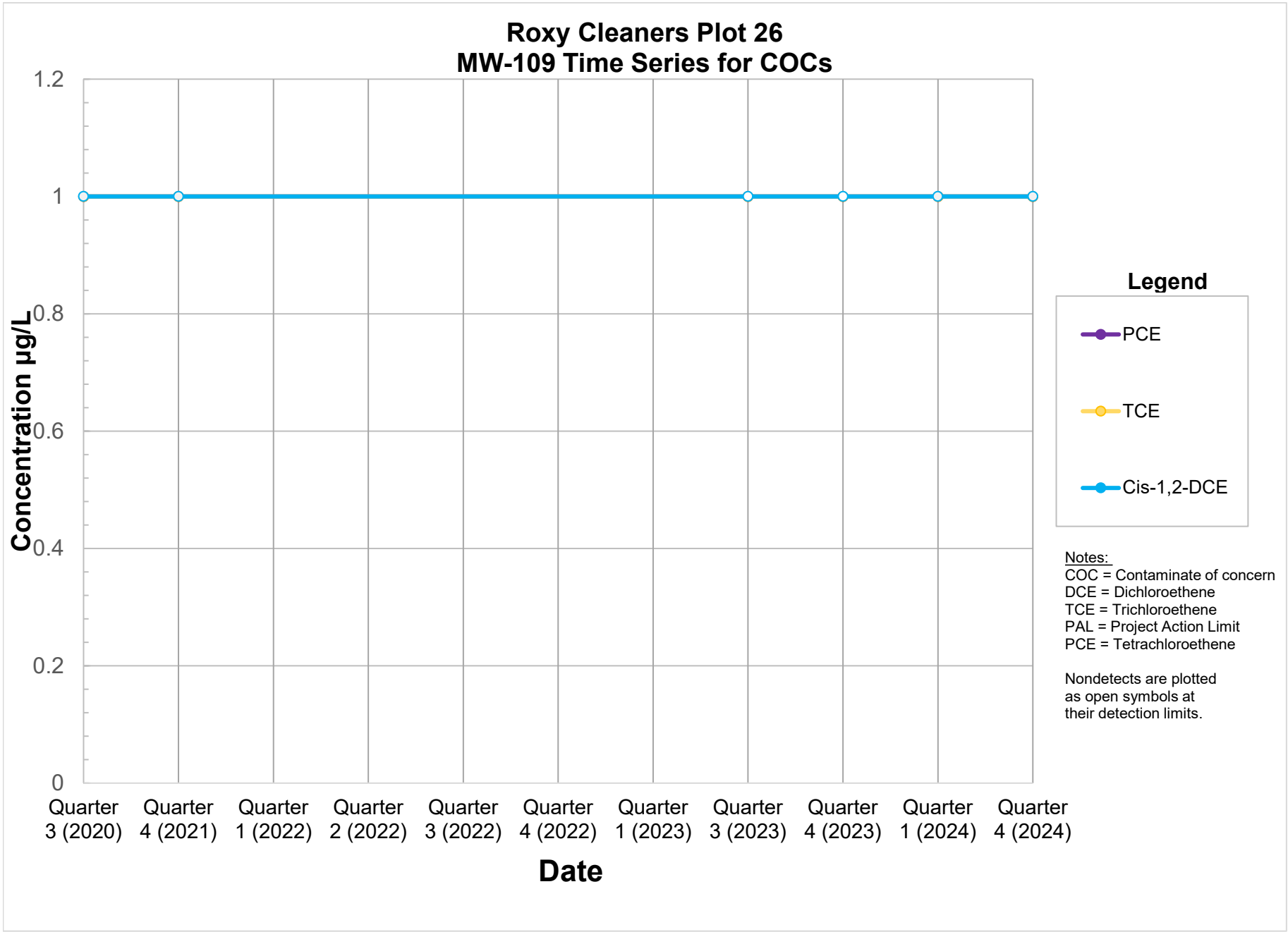

Roxy Cleaners Plot 21
MW-2B Time Series for COCs
Concentration µg/L
4
3.5
3
2.5
2
1.5
1
0.5
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 22
MW-3B Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 23
MW-4B Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 24
MW-104 Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 25
MW-105 Time Series for COCs
1.2
1
0.8
0.6
0.4
0.2
0
Concentration µg/L
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.


Roxy Cleaners Plot 26
MW-109 Time Series for COCs
Concentration µg/L
1.2
1
0.8
0.6
0.4
0.2
0
Quarter 3 (2020)
Quarter 4 (2021)
Quarter 1 (2022)
Quarter 2 (2022)
Quarter 3 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 3 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
Legend
PCE
TCE
Cis-1,2-DCE
Notes:
COC = Contaminate of concern
DCE = Dichloroethene
TCE = Trichloroethene
PAL = Project Action Limit
PCE = Tetrachloroethene
Nondetects are plotted as open symbols at their detection limits.

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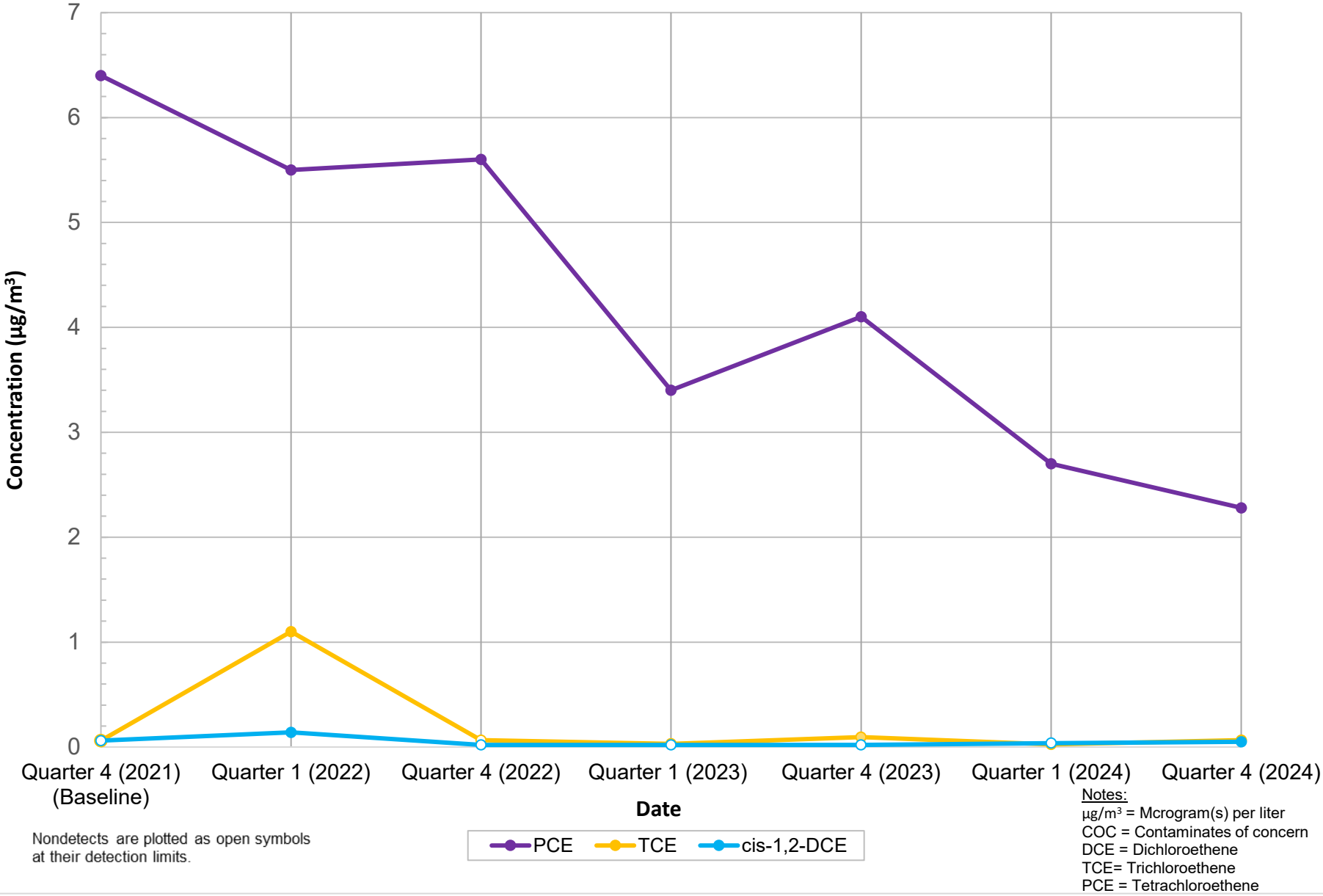
Appendix F

Air and Soil Vapor Time Series Plots

Plot 1
IA-195 Time Series for COCs

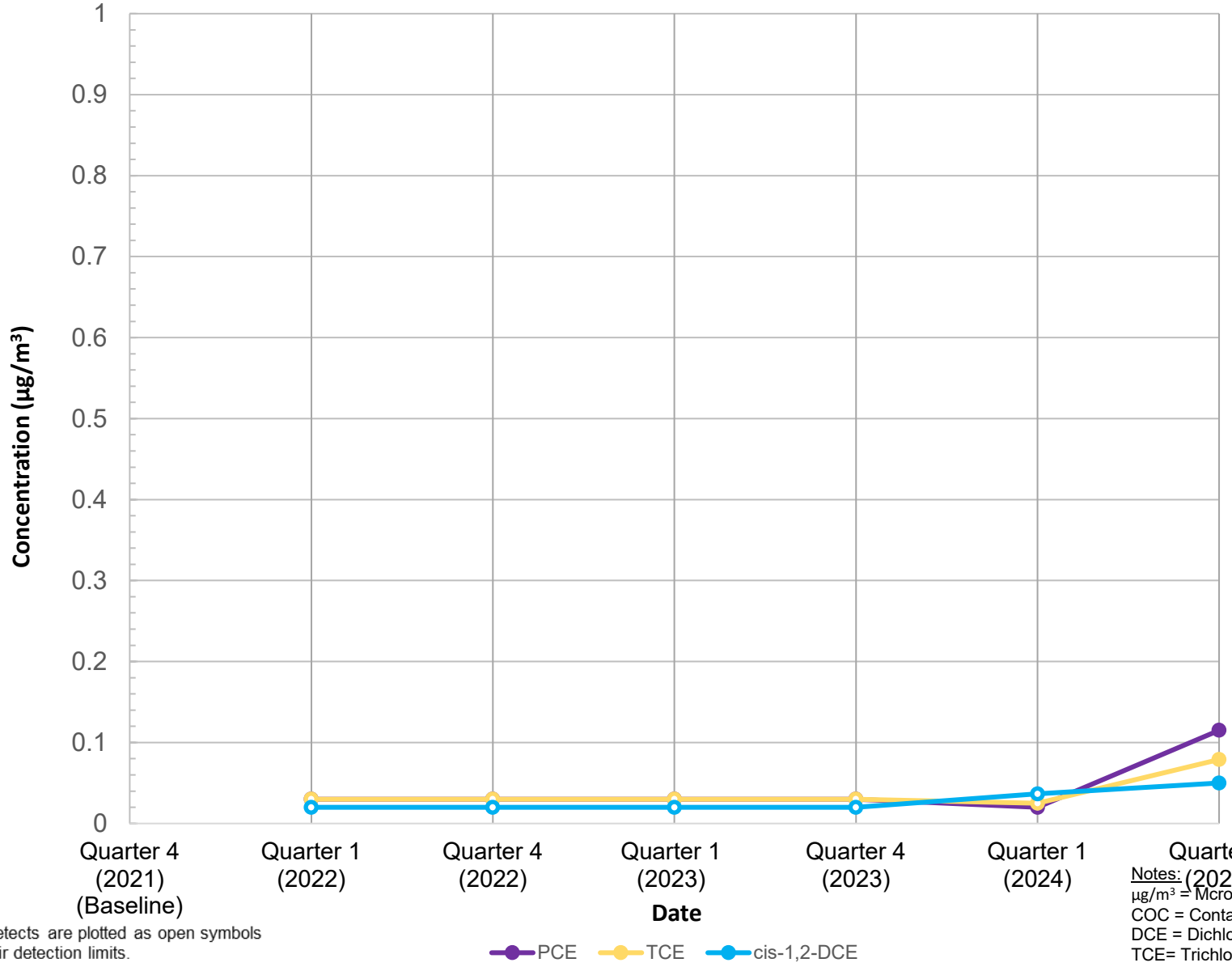


Nondetects are plotted as open symbols at their detection limits.

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

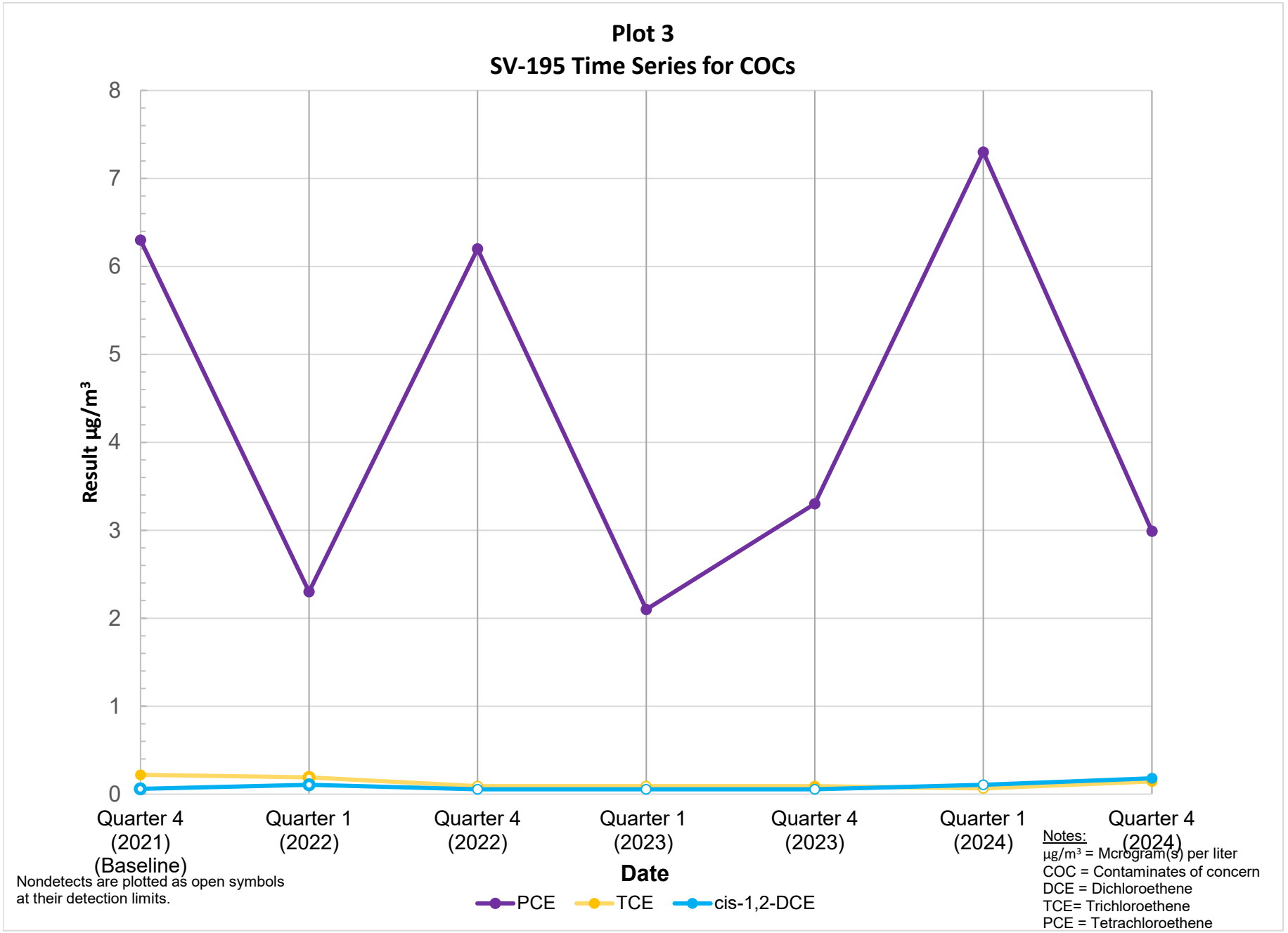
Plot 2

OA-195 Time Series for COCs

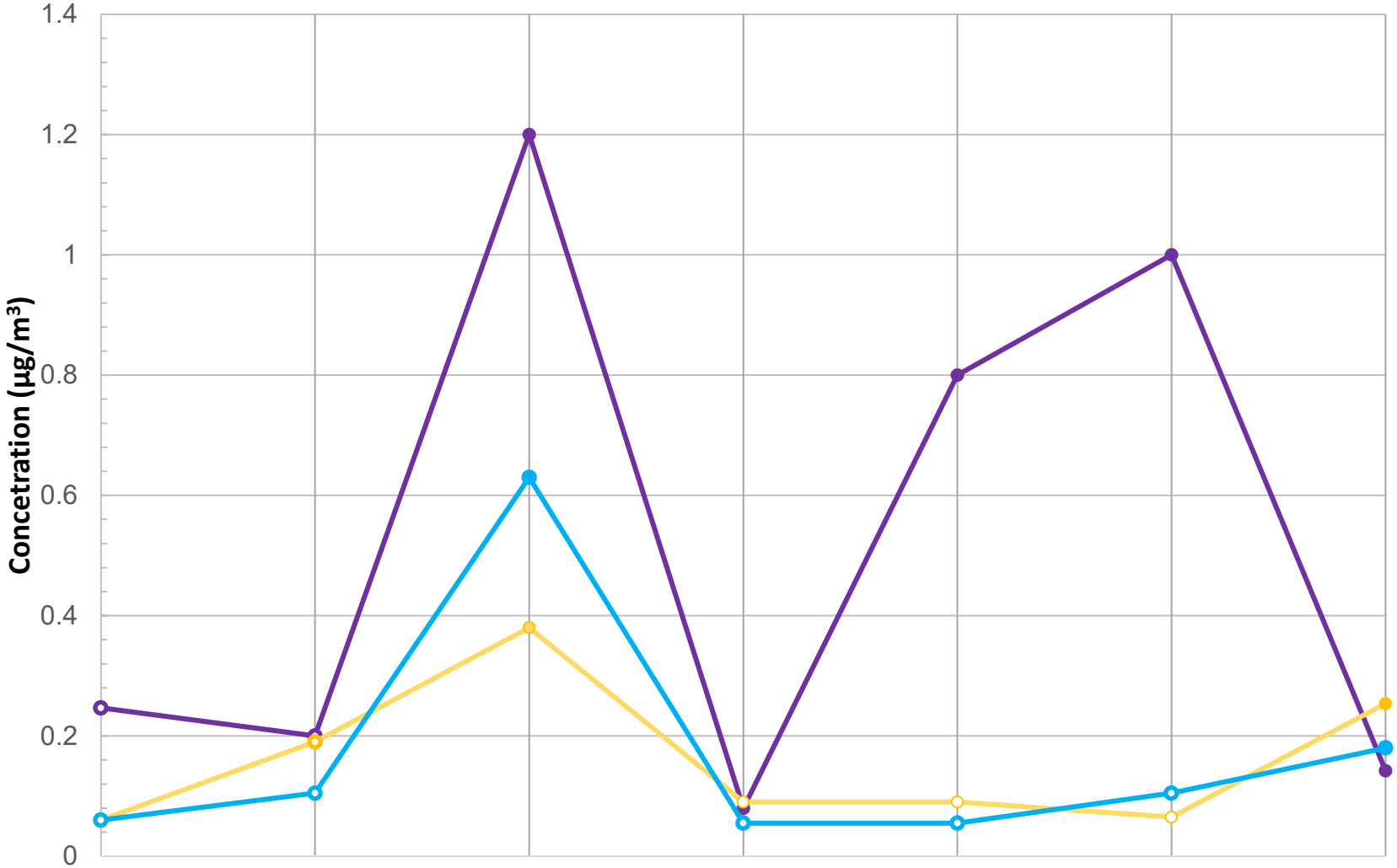


Nondetects are plotted as open symbols at their detection limits.

Notes:
µg/m³ = Microgram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene


Plot 3
SV-195 Time Series for COCs
Result µg/m³
8
7
6
5
4
3
2
1
0
Quarter 4 (2021) (Baseline)
Quarter 1 (2022)
Quarter 4 (2022)
Quarter 1 (2023)
Quarter 4 (2023)
Quarter 1 (2024)
Quarter 4 (2024)
Date
PCE
TCE
cis-1,2-DCE
Nondetects are plotted as open symbols at their detection limits.
Notes:
µg/m³ = Microgram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

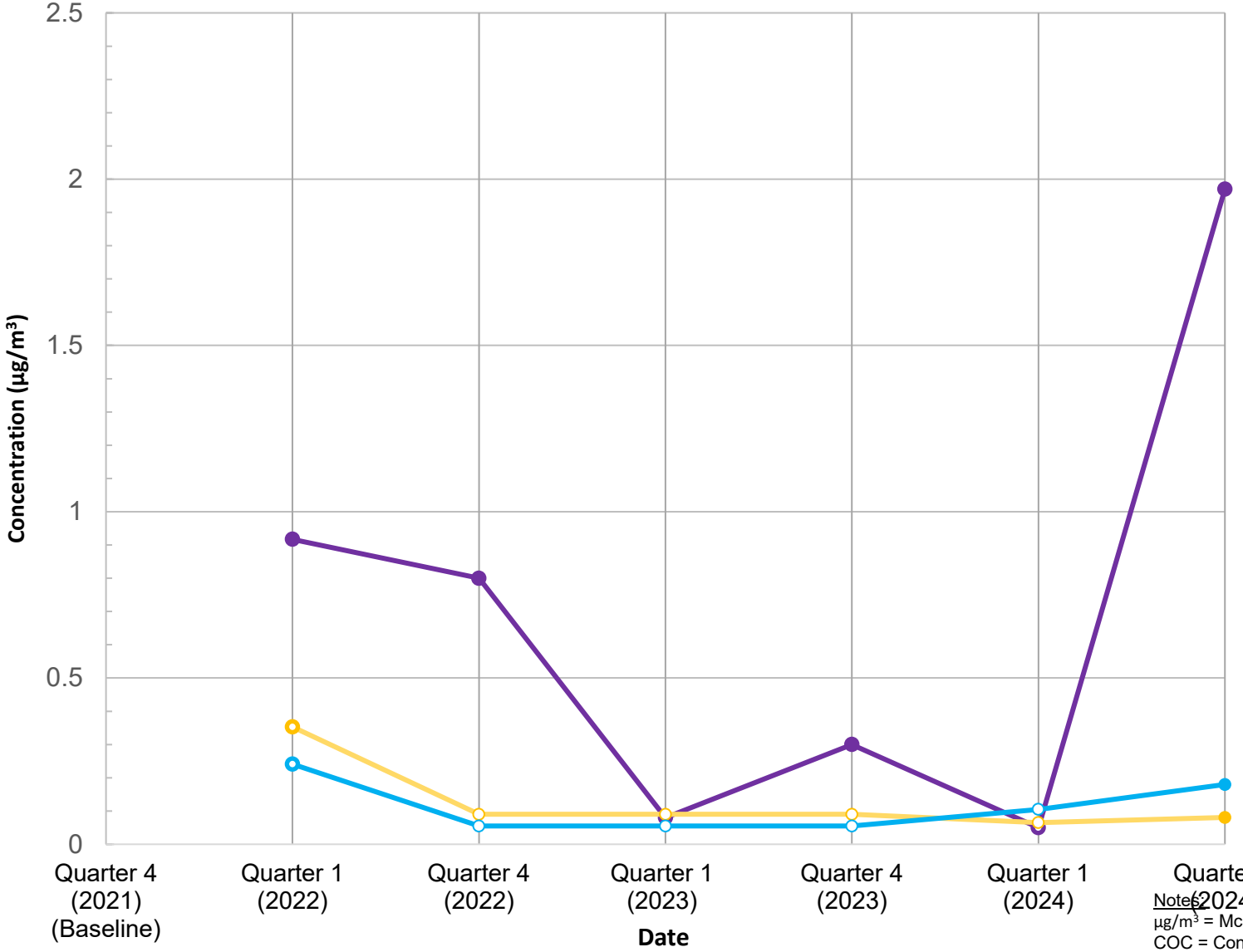
Plot 4
SV-01 Time Series for COCs



Nondetects are plotted as open symbols at their detection limits.

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

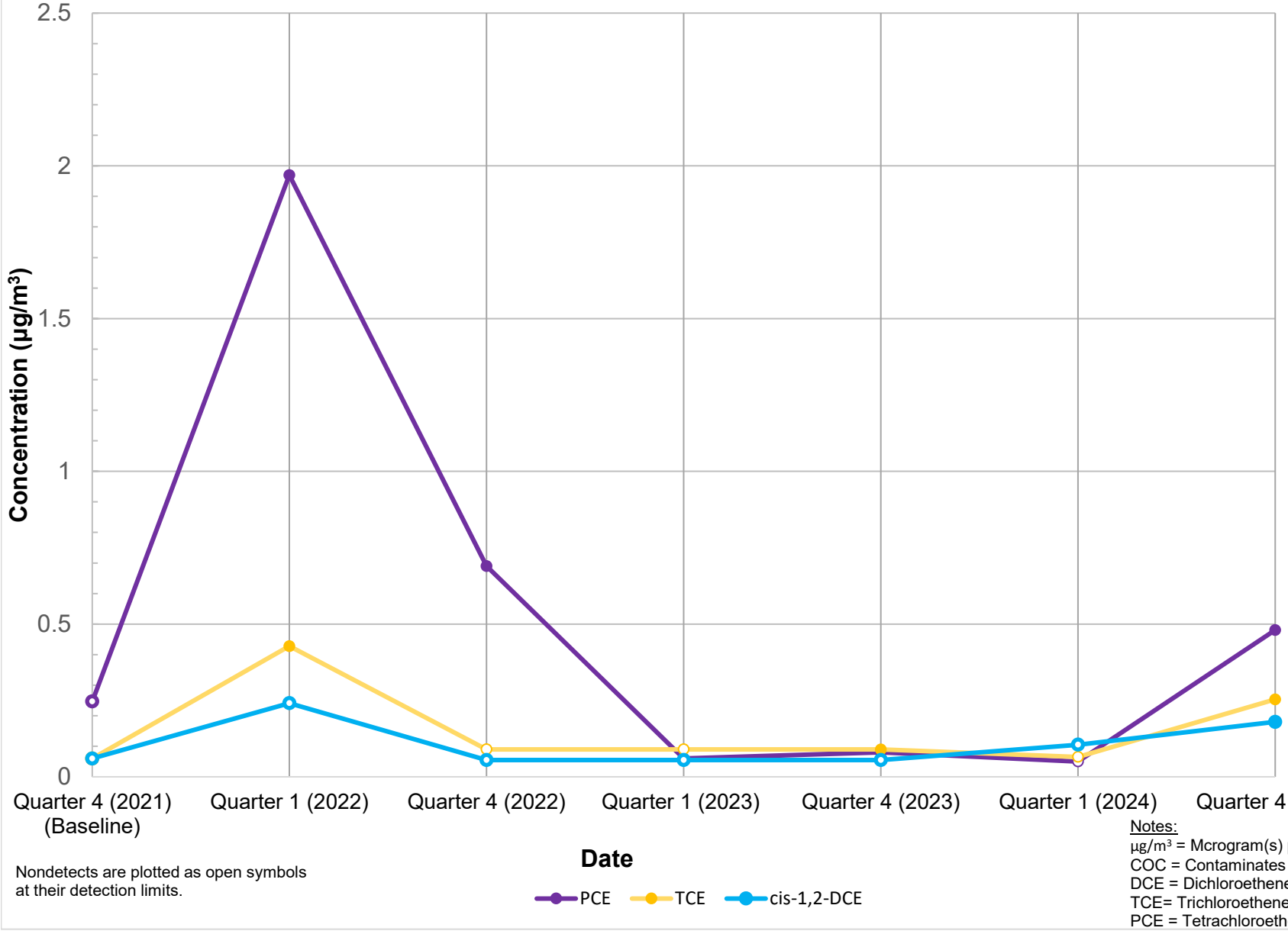
Plot 5
SV-02 Time Series for COCs



Nondetects are plotted as open symbols at their detection limits.

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

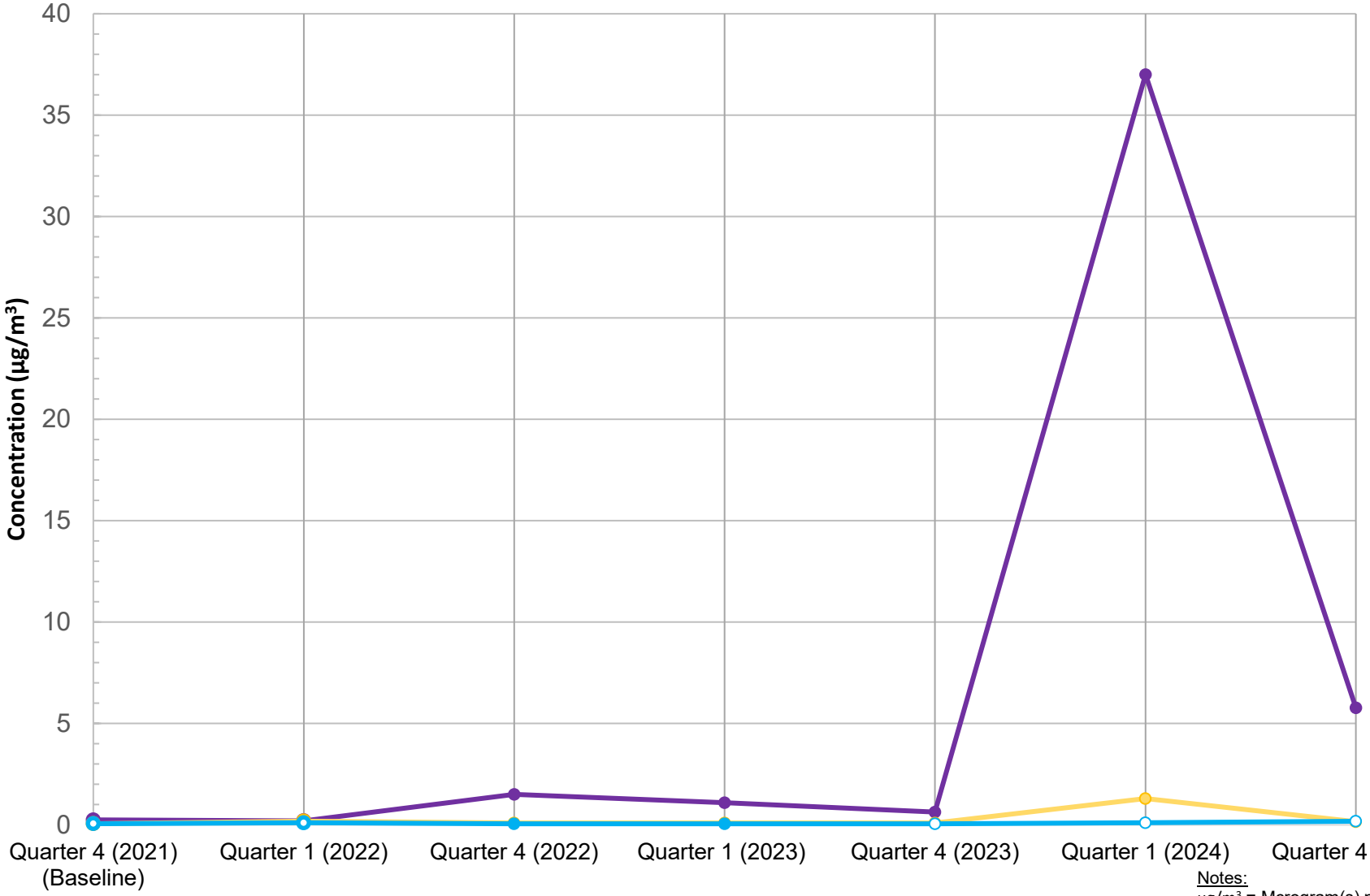
Plot 6
SV-03 Time Series for COCs



Nondetects are plotted as open symbols at their detection limits.

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

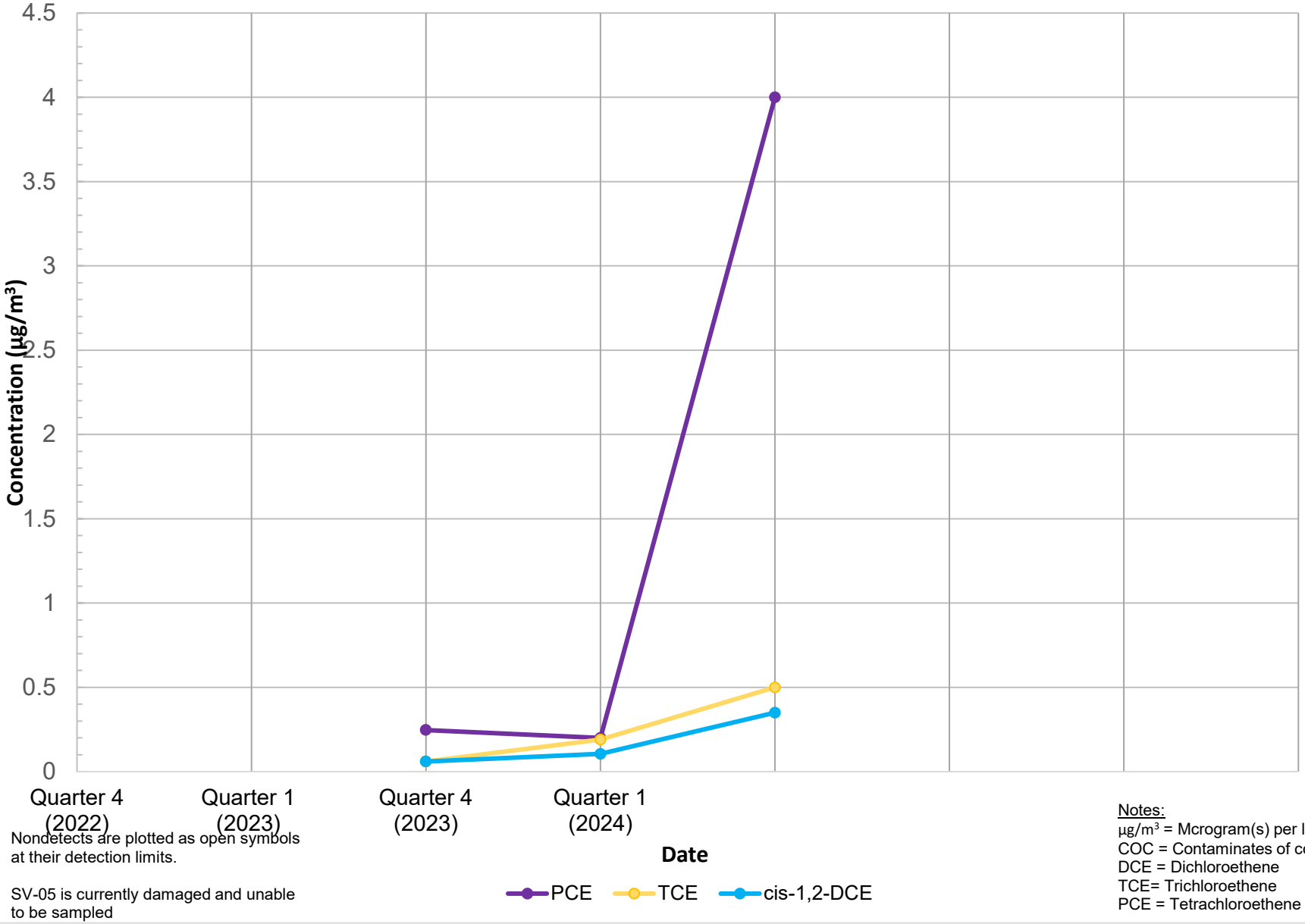
Plot 7
SV-04 Time Series for COCs



Nondetects are plotted as open symbols at their detection limits.

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

Plot 8
SV-05 Time Series for COCs

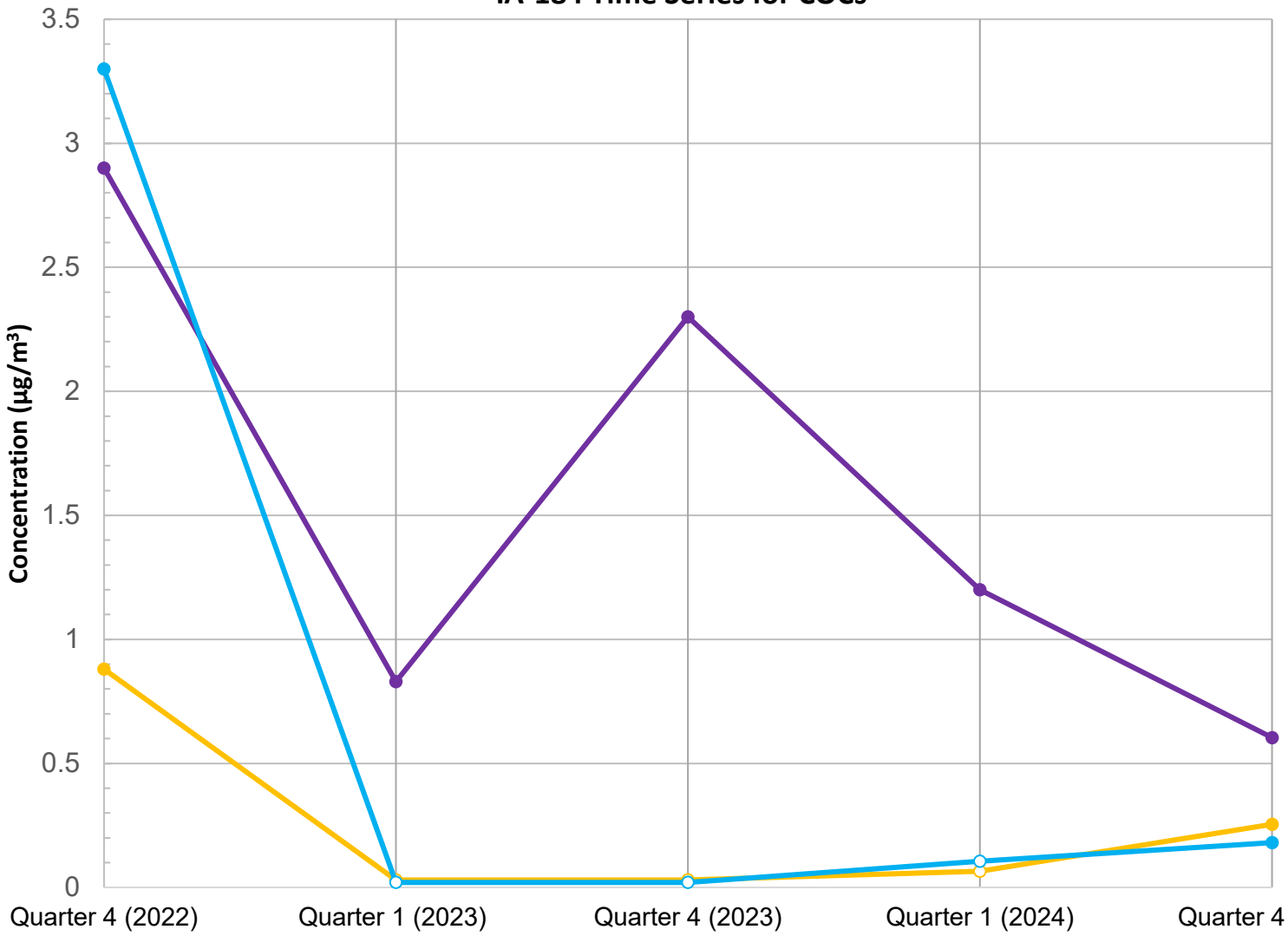


Nondetects are plotted as open symbols at their detection limits.

SV-05 is currently damaged and unable to be sampled

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

Plot 9
IA-184 Time Series for COCs

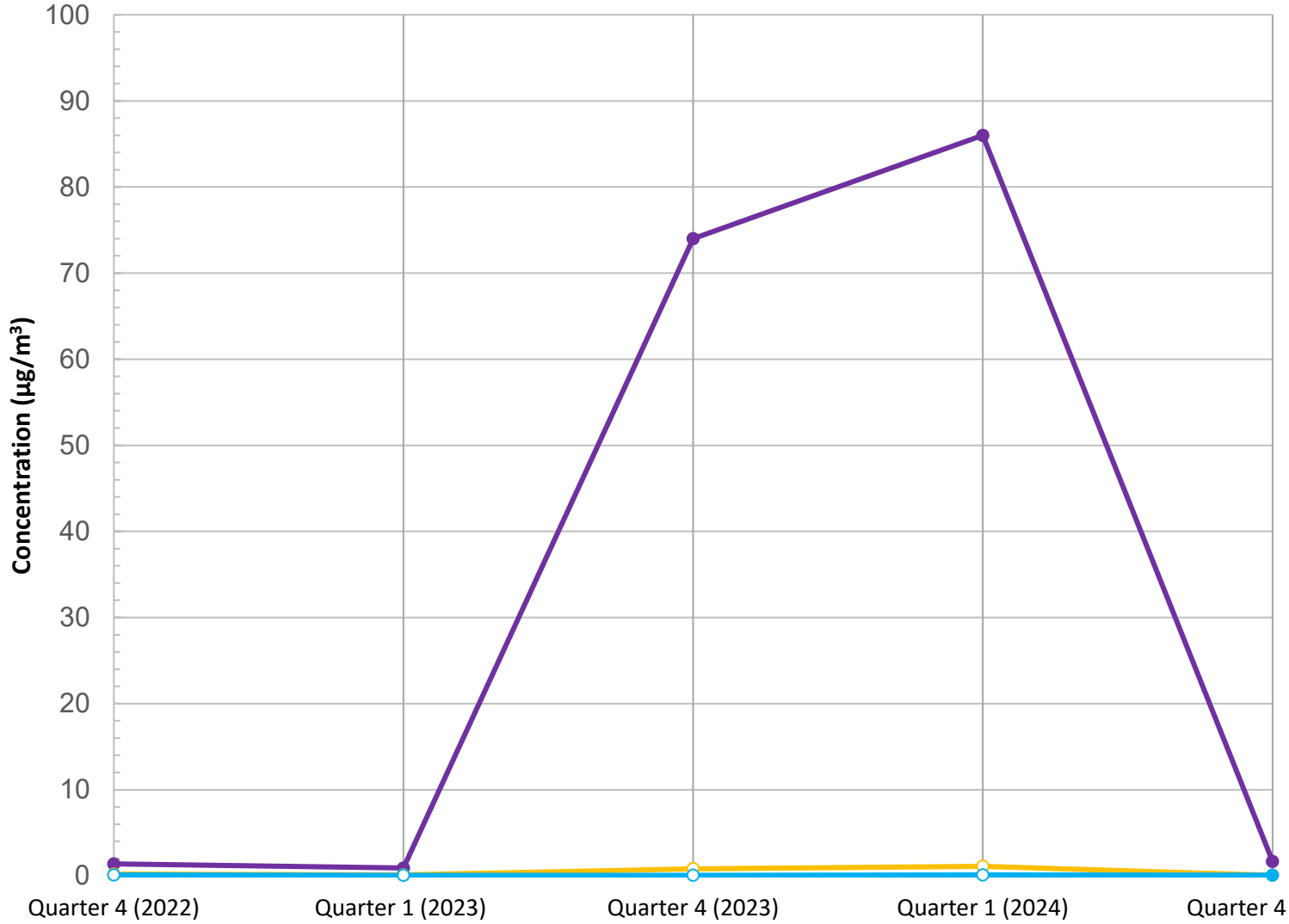


Nondetects are plotted as open symbols at their detection limits.

SV-184 began to be monitored in the fourth quarter of 2022

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

Plot 10
SV-184 Time Series for COCs



Nondetects are plotted as open symbols at their detection limits.

SV-184 was installed in November 2022

Notes:
µg/m³ = Mcrogram(s) per liter
COC = Contaminates of concern
DCE = Dichloroethene
TCE= Trichloroethene
PCE = Tetrachloroethene

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Appendix G

Data Validation Report

DATA VALIDATION REPORT

Roxy Cleaners

TO-15

SDG: L2467056

Chemical Analyses Performed by:

Pace Analytical Services

Prepared by

ENVIRONMENTAL DATA SERVICES, LTD.

Prepared for

EA Engineering and Geology, P.C.

March 11, 2025

5 Brilliant Avenue, Pittsburgh, PA 15215
412.408.3288 I www.eds-pa.com

ENVIRONMENTAL DATA SERVICES, LTD.

DATA USABILITY SUMMARY REPORT FOR VOLATILES

SITE: Roxy Cleaners

LABORATORY: Pace Analytical Services

SAMPLE DELIVERY GROUP: L2467056

SAMPLE DATES: 11/13/2024

This sample delivery group consist of the following samples identified for data validation:

Sample Identification	Laboratory Identification
442024-IA-184-20241113	L2467056-01
442024-SVP-184-20241113	L2467056-02
442024-SV-3-20241113	L2467056-03
442024-SV-1-20241113	L2467056-04
442024-SVP-195-20241113	L2467056-05
442024-IA-195-20241113	L2467056-06
442024-SV-2-20241113	L2467056-07
442024-SV-4-20241113	L2467056-08
442024-OA-195-20241113	L2467056-09

The samples described above were analyzed via methods USEPA TO-15 and/or USEPA TO-15 SIM to determine the concentrations of trace volatile organic analytes (VOAs) in air samples.

Project specific quality assurance (QA) objectives, as well as the USEPA Region II SOP, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15 Data Validation, HW-31, Rev. 6, June 2014 have been considered during validation of this data and its usability.

Table 1 provides a summary of major and minor data quality issues identified for this data set. All data are acceptable except those results which have been qualified with “R”, rejected. Data validation qualifiers along with associated descriptions are provided in Table 2. All data qualification related to this group of samples is detailed on the attached sheets.

Per USEPA Region 2 Validation Guidance, “All data users should note two facts. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables even as a last resort. The second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.”

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All chain of custody (COC) and traffic reports were present for all samples.

HOLDING TIME/SAMPLE HANDLING

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Proper sample handling and preservation also play a role in the chemical stability of analytes in the sample matrix. If samples are not collected and stored using proper containers and/or preservatives, data may not be valid.

The samples in this delivery group were prepared and analyzed within the holding time specified in the validation guidelines with the following exceptions. Samples 442024-IA-184-20241113, 442024-SVP-184-20241113, and 442024-IA-195-20241113 were analyzed at a dilution for ethanol outside the analytical holding time. The results reported for the impacted analyte in the associated samples have been qualified "J" on this basis.

BLANK CONTAMINATION

Quality assurance blanks include method, storage, trip, field, or rinse blanks. Blanks are prepared to identify any contamination, which may have been introduced into the samples during preparation and analysis or field activity. Method and storage blanks measure laboratory contamination. Trip blanks measure cross contamination during shipment. Field and rinse blanks measure cross contamination during field operations.

Method Blanks

Method blanks were prepared and analyzed in association with the samples in this delivery group at the specified frequency. Upon examination of method blank data, no analyte was positively identified at a concentration equal to or above the method detection limit (MDL) in any associated method blank.

Storage Blanks

No storage blanks were required for this sample delivery group (SDG).

Trip Blanks

No trip blanks were submitted in association with this SDG.

Field Blanks

No field blanks were submitted in association with this SDG.

MASS SPECTROMETER TUNING

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances.

The tuning standard for volatiles is bromofluorobenzene (BFB).

All tunes associated with this SDG were fully compliant.

CALIBRATION

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative results. The initial calibration curve demonstrates that the instrument is capable of giving acceptable performance at the beginning of an analytical sequence. The continuing calibration verifies that the instrument is continuing to provide satisfactory daily performance. Additionally, a continuing calibration is analyzed at the end of each 24-hour analytical sequence, denoted as a “closing” calibration verification and ascertains acceptable performance at the conclusion of the analytical sequence.

Note, no closing continuing calibration verifications were performed in association with this SDG.

Response Factor

The relative response factor (RRF) measures the instruments responses to specific chemical compounds. The RRFs for the volatile organic analysis (VOA) target compound list (TCL) must be ≥0.05 in both the initial and continuing calibrations with exception of poor response compounds, where RRFs must be ≥0.01. Additionally, the RRF in the closing continuing calibration must be ≥0.01. A value less than the respective criteria indicates serious detection and quantitation problems. If the mean RRF of the initial calibration or the continuing calibration RRF is <0.05, or <0.01 for poor response compounds, or the RRF for the closing continuing calibration is <0.01 for any analyte, those analytes detected in environmental samples will be qualified as estimated. All non-detects for those analytes will be rejected.

The RRF values in all initial and continuing calibrations were found to be acceptable in all cases.

Percent Relative Standard Deviation and Percent Deviation

Percent relative standard deviation (%RSD) is calculated from the initial calibration and is used to indicate stability of a specific compound over the calibration range. Percent deviation (%D) compares the response factor of the continuing calibration with the mean response factor of the initial calibration. Therefore, %D is a measure of the instrument’s daily performance.

The following QC criteria have been applied for this project:

The %RSD of initial calibration must be <30%.

An RSD value outside initial calibration limit indicates the potential for quantitation errors. For this reason, all positive results are qualified as estimated. Severe performance failures (RSD >90%) require qualification of non-detected results as well.

The %D for continuing calibration must be <30%.

A value outside these limits indicates the potential for detection and quantitation errors. For these reasons, all positive results are qualified as estimated, and non-detects are qualified with "UJ".

All initial calibration and continuing calibration %RSD and %D values were within defined QC criteria.

INTERNAL STANDARDS PERFORMANCE

Internal standard performance criteria are meant to ensure that the gas chromatography/mass spectrometry (GC/MS) sensitivity and response are stable during every experimental run.

The internal standard area count must not vary by more than a factor of two from the associated continuing calibration standard. The retention time of the internal standard must not vary by more than +/- 20 seconds from the associated continuing calibration standard. The area count must be within -60% to +140% range of the associated standard. If area count is >140% non-detected results are not qualified while positive

results are qualified "J", estimated. However, when an observed area count is <60%, positive results are qualified "J" estimated while non-detected results are rejected.

The reported analysis for all samples, lab control sample, and associated method blanks had internal standard areas and retention times within QC criteria in all cases.

COMPOUND IDENTIFICATION

Volatile

The TCL compounds are identified on the GC/MS by using the analytes relative retention time (RRT) and ion spectra. For the results to be a positive hit, the sample peak must be within ±0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary ion intensities within 20% of that in the standard compound. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

All identification criteria were met. Therefore, no analytes were qualified for compound identification.

Volatile Tentatively Identified Compounds

Tentatively Identified Compounds (TICs) were reported by the laboratory and reviewed for quality assurance. For all TIC results where there is presumptive evidence of a match, being greater than or equal to an 85% match, the results are qualified “NJ”, tentatively identified. If the non-target compound is reported as an unknown, the result is qualified “J”, estimated. Likewise, if it is determined that the identification of a TIC is unacceptable, the tentative identification of the compound is changed to “unknown” and the result is qualified “J”, estimated.

Tentatively identified compounds were not reported by the laboratory and were not evaluated for this program.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) is spiked with the same analytes at the same concentrations as the matrix spike. The LCS results are used to verify that the laboratory can perform the analysis in a clean matrix.

All LCS evaluations resulted in acceptable recoveries.

REPORTING

No problems were identified for this criterion.

OTHER QUALITY CONTROL DATA OUT OF SPECIFICATION

None.

FIELD DUPLICATE

Field duplicates are two (or more) field samples collected at the same time in the same location. Each of the samples represents the same population and is carried through all steps of the sampling and analytical procedures in an identical manner. Field duplicate results are used to assess precision of the total method, including sampling, analysis, and site heterogeneity.

No field duplicates were submitted in association with this SDG.

SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Clean canisters were used to transport air samples in this SDG. All criteria were met to ensure containers were appropriate for sample storage.

Overall, the laboratory data generated met the project goals and quality control criteria, with the exceptions identified in this report and as summarized in Table 1.

Table 1
Review Elements Summary

	Were acceptance criteria met?		
	Yes	No	
Volatiles		**Major**	**Minor**
Holding Time			x
Method Blanks	x		
Storage Blanks	NA		
Trip Blanks	NA		
Field Blanks	NA		
Mass Spectrometer Tuning	x		
Calibration Response Factor	x		
Calibration Percent Relative Standard Deviation and Percent Difference	x		
Internal Standards	x		
Compound Identification - Volatile	x		
Tentatively Identified Compounds - Volatile	NA		
Laboratory Control Sample	x		
Reporting	x		
Other Quality Control Data out of Specification	x		
Field Duplicate	NA		

Major= Major data quality issue identified resulting in rejection of data.
Minor= Minor data quality issue identified resulting in the qualification of data. Data qualification should be used to inform the data users of data limitations.
NA = Not applicable

Table 2
Data Validation Qualifiers

Data Qualifier	Definition
U	The analyte was analyzed for but was not detected above the level of the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

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