Periodic Review Report

Reporting Period April 28, 2024 to April 28, 2025

229 Homer Street
BCP Site No. C905044
Olean, New York

May 2025

Prepared for:

Jamestown Macadam, Inc.

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218

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1. Purpose/Scope

Roux Environmental Engineering & Geology, D.P.C. (Roux)[1] has prepared this Periodic Review Report (PRR) on behalf of Jamestown Macadam, Inc. (Owner) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C905044, located in Olean, Cattaraugus County, New York (Site; see Figure 1).

This PRR has been prepared for the Site in accordance with NYSDEC DER-10/Technical Guidance for Site Investigation and Remediation (Ref. 1). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been completed for the Site (see Appendix A).

This PRR and the associated inspections form have been completed for the post-remedial activities at the Site for the period from April 28, 2024 to April 28, 2025.

1.1 Site Background

The 229 Homer Street Redevelopment Site and surrounding area were originally developed in approximately 1890 for the oil industry and used for refinery purposes and as a petroleum storage tank farm. The site was historically occupied by a large tank, used for oil storage by Socony Vacuum and/or Felmont Oil, and two tank berm areas. The Site was identified as part of the Exxon/Mobil Legacy Site (EMLS) Works #3 area. EMLS operated as an oil refiner in the area under several different names from approximately 1880 to 1950s.

Benson Construction and Development, LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC in October 2015 to investigate and remediate the approximate 3.34-acre property comprised of one tax parcel identified as 229 Homer Street (SBL#94.032-1-2.5) located in the City of Olean, Cattaraugus County, New York and referred to as the 229 Homer Street Site (see Figure 2). The BCA was amended in October 2017 to add Homer Street Properties, LLC as an additional Applicant (Volunteer) to the existing BCA. In December 2018, the BCA was amended to transfer property ownership of the Site from Benson Construction and Development, LLC to Homer Street Properties, LLC.

On September 20, 2024, Homer Street Properties, LLC entered into a Purchase and Sale Agreement with Jamestown Macadam, Inc. On November 7, 2025, the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (COC), and/or Ownership was submitted to NYSDEC to notify of change in site ownership and transfer of COC from Homer Street Properties, LLC to Jamestown Macadam, Inc. Sale of the property closed on January 20, 2025.

1.2 Purpose/Scope

The SMP requires, among other things, periodic inspection, and certification that the IC/ECs implemented at the Site remain in place and are functioning as designed. This PRR serves that purpose as well as documenting post-remedial actions taken since the COC was issued.

[1] Formerly Benchmark Civil/Environmental Engineering & Geology, PLLC and TurnKey Environmental Restoration, LLC (Benchmark-TurnKey).

2. Site Overview

The approximate 3.34-acre 229 Homer Street Site is bounded by Two Mile Creek and Homer Street to the northwest, the Casella Waste Management Of New York transfer station to the northeast, Southern Tier Rail Authority rail lines to the southeast, and 251 Homer Street (a solar electric generating facility on a parcel previously remediated under the NYSDEC BCP) to the southwest. The Site is currently improved with a one-story building (approximately 7,500 square feet) in the central portion of the Site. The remainder of the Site remains undeveloped.

The Remedial Investigation/Interim Remedial Measures/Alternative Analysis Report (RI/IRM/AA) Work Plan (Ref. 2) was approved by the NYSDEC on November 25, 2015 with concurrence of the New York State Department of Health (NYSDOH). Benchmark-TurnKey performed RI activities at the Site in November and December 2015. However, for various reasons as described in the revised Alternatives Analysis Report (AAR) dated June 2017 (Ref. 3), a revised remedy consisting of limited excavation of shallow grossly contaminated soil (GCS) and an air sparge (AS) and soil vapor extraction (SVE) system was proposed. Benchmark-TurnKey prepared a Work Plan for Pilot Study: Air Sparging and Soil Vapor Extraction in August 2017, which the NYSDEC approved (Ref. 4). The pilot study was undertaken to support the anticipated final design; this work was completed in October 2017 and a report submitted to the NYSDEC (Ref. 5). Using the results of the pilot study, a Remedial Action Work Plan (RAWP) (Ref. 6) was submitted to NYSDEC on February 16, 2018, approved by NYSDEC on March 5, 2018, and field activities were completed at the Site between April and October 2018. The Site was remediated to NYSDEC Part 375 Track 4 commercial soil cleanup objectives (CSCOs) for use in a commercial redevelopment capacity. The Site Management Plan (SMP; Ref. 7) and Final Engineering Report (FER; Ref. 8) were approved by the Department in December 2018. The COC was recorded on December 28, 2018. Remedial activities are described in the following sections.

2.1 Remedial Actions

In general, remedial activities included:

1. Limited excavation and off-site disposal of GCS-impacted soil.
2. Excavation, removal, and cleaning of abandoned subsurface piping.
3. In-situ treatment of GCS soil/fill using AS and SVE.
4. Placement of a soil cover.
5. Implementation of this Site Management Plan.

The following is a summary of the remedial action completed at the Site:

- Approximately 5,815.47 tons of GCS-impacted soil/fill were excavated and loaded by Benson Construction and Development, LLC, and transported off-site by D&H Excavating for disposal at Waste Management's Chaffee Landfill, located in Chaffee, NY.
- Approximately 1,946 linear feet of subsurface metallic product piping was exposed, tapped, evacuated of contents, removed, cleaned, and recycled. Two portions of piping (Pipe 4) on the Site were not removed from the ground as they reside beneath the existing building (approximately 40 feet) and beneath a concrete pad (approximately 20 feet). The remaining piping was capped. Piping which extended beyond the property boundary was capped and/or grouted at the property line.

- Approximately 16.74 gross tons (18.75 tons) of piping were recycled as scrap metal. The scrap steel was transported by Benson Construction and Development, LLC to Metalico and Ben Weitsman in Allegheny, New York. Cleaning of the pipes generated four drums of pipe scale, oil, and water. They were transported by Environmental Services Group New York, Inc. (ESG) to American Recyclers Company in Tonawanda, New York for incineration.
- Installation of new monitoring wells MW-6 and MW-7 after excavation of impacted soil/fill was complete. Locations approved by NYSDEC.
- Installation and operation of an AS/SVE system to address GCS in the deeper soil/fill from approximately 5 to 15 fbgs and in the upper 5 ft of the water table (i.e., smear zone). The air sparge portion of the system included 53 injection wells connected to an air compressor in a climate-controlled trailer via individual 1" polyethylene lines. The SVE system included 14 extraction wells connected by 2" polyethylene lines to one of two blowers in a separate climate-controlled trailer. Emissions from the SVE system were controlled using a biofilter contained within an approximate 20-foot by 7-foot steel roll-off box outfitted with perforated pipe. The biofilter had an approximate 1-foot-thick gravel layer at the base of the box overlain by approximately two feet of wood chip and compost filter medium, which allowed naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the AS/SVE system. Discussion of the NYSDEC-approved AS/SVE System decommissioning is discussed in Section 3.2.2 below.
- Construction and maintenance of a site cover system as shown on Figure 4. The site cover system was installed at the Site in April and May 2018.
- Execution and recording of an Environmental Easement to restrict land use to commercial/industrial operations and prevent future exposure to any contamination remaining at the Site. The Environmental Easement was recorded with the Cattaraugus County in October 2017.
- Development and implementation of the SMP for management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) institutional and engineering controls, (2) excavation, (3) monitoring and reporting, and (4) operation and maintenance.

2.2 Site Activities

On September 20, 2024, Homer Street Properties, LLC entered into a Purchase and Sale Agreement with Jamestown Macadam, Inc. On November 7, 2025, the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (COC), and/or Ownership was submitted to NYSDEC to notify of change in site ownership and transfer of COC from Homer Street Properties, LLC to Jamestown Macadam, Inc. Included in the form is a discussion of Jamestown Macadam, Inc.'s plans for the property upon purchase, which includes construction of an asphalt processing plant and renovation of the existing building for commercial purposes. Sale of the property closed on January 24, 2025. On April 15, 2025, Jamestown Macadam, Inc. submitted a 60-Day Advance Notification of Change of Use to NYSDEC for construction of a new concrete ready mix plant. NYSDEC acknowledged receipt on April 18, 2025. As of the end of this reporting period, the Site remains undeveloped except for the existing building.

3. Site Management Plan

The SMP includes an IC/EC Plan, a Monitoring and Sampling Plan, an Operation & Maintenance (O&M) Plan, an Excavation Work Plan (EWP), and a copy of the Environmental Easement. A brief description of the components of the SMP is presented below.

3.1 IC/EC Plan

As detailed in the Environmental Easement, several IC/ECs need to be maintained as a requirement of the BCA.

3.1.1 Institutional Controls

- Groundwater-Use Restriction: The use of groundwater for potable and non-potable purposes is prohibited.
- Land-Use Restriction: The Site may be used for commercial and/or industrial use.
- Implementation of the SMP: The O&M Plan and EWP must be followed.

3.1.2 Engineering Controls

- Vapor Mitigation: There are no sub-slab depressurization systems currently. In accordance with the Decision Document, if the occupied portion of the existing building floor slab is compromised (cracked) or future building(s) are to be constructed and occupied, an evaluation of the potential for soil vapor intrusion will be completed.
- AS/SVE System: The AS/SVE system operated and was monitored nearly continuously between September 2018 and January 2022 during times when temperatures were consistently above freezing. The AS/SVE system was decommissioned in August 2023 as discussed in Section 3.2.2.
- Groundwater Monitoring: Groundwater monitoring was completed in July 2024.
- Cover System: The cover system is intact and functioning as intended.

3.1.3 Site Inspection & IC/EC Compliance

On April 16, 2025, Roux's Certifying Professional Engineer performed a Site visit and assessment. During this visit, the Site covered by this PRR was found to be compliant with the IC/EC requirements. No observable indication of intrusive activities, cover failure, or use of groundwater were noted.

Appendix A includes the completed and P.E.-certified IC/EC Form for the Site. Appendix B includes the site photographic log.

3.2 Monitoring and Sampling Plan

The Monitoring and Sampling Plan specifies the methods used for:

- Sampling and analysis of groundwater
- Site-wide inspection
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment

3.2.1 Groundwater Sampling and Analysis

Groundwater sampling was conducted July 16-17, 2024 at wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and MW-7. The samples were analyzed via United States Environmental Protection Agency (USEPA) Method 8270D and 8270D-SIM and tentatively identified compounds (TICs) via USEPA Method 8270D for target compound list (TCL) semi-volatile organic compounds (SVOCs). Table 1 summarizes current and historic groundwater elevations. Table 2 summarizes the analytical results as well as historic groundwater quality data. Appendix C includes groundwater sampling field notes, the analytical data package, and the data usability summary report (DUSR). As indicated in the DUSR, the results are usable either as reported or with minor qualification. TICs in the samples that are common to the method blank have been removed from consideration as sample components. The July 2024 groundwater data was submitted to the NYSDEC EQuIS database on April 22, 2025.

3.2.1.1 Groundwater Elevations

The groundwater elevations measured in July 2024 were contoured as shown on Figure 3. Groundwater flow direction in the uppermost sand and gravel aquifer is toward the southeast, consistent with the prior groundwater contour maps. The water level gradient across the Site remains level. The groundwater level drops from 1414.90 feet at upgradient well MW-4 to 1413.08 feet at downgradient well MW-7.

3.2.1.2 Analytical Data

SVOCs

Pre-remediation data (December 2015) was either non-detect or below NYSDEC groundwater quality standards/groundwater values (GWQS/GVs) for all wells except for well MW-3 due to the higher detection limits of the analytical method. Since then, SVOCs have been analyzed via USEPA Method 8270D-SIM, which allows for lower detection of polyaromatic hydrocarbons (PAHs). During the July 2024 sampling event, SVOCs were not detected above GWQS/GVs in 5 of the 7 wells. Wells MW-4 and MW-5 each had one parameter slightly above GWQS/GVs:

- Well MW-4: Bis(2-ethylhexyl) phthalate at 5.7 ug/L (GWQS = 5 ug/L)
- Well MW-5: Benzo(a)anthracene at 0.03 ug/L (GWQS = 0.002 ug/L)

SVOC total TIC concentrations ranged from non-detect in well MW-1 to 261 ug/L (estimated and biased-high) in well MW-5 during the July 2024 sampling event. No SVOC concentrations exceeded GWQS/GVs over the last two sampling events at three wells (MW-1, MW-3, MW-7) and significant decreases in SVOC concentrations over the last three sampling events have been observed at the other four wells (MW-2, MW-4, MW-5, MW-6).

3.2.2 AS/SVE System

As part of the remedial activities at the Site, an AS/SVE system was installed and operated through January 13, 2022, at which point it was turned off for the winter. On May 2, 2022, Benchmark-TurnKey submitted a letter request to NYSDEC on behalf of Homer Street Properties, LLC with verification soil/fill sampling data for consideration of termination of the SVE system operation since VOC removal had leveled off as evidenced by the data submitted in the 2020/2021 PRR. The Department replied on May 5, 2022, stating that system shutdown was approved but the AS/SVE system must remain on-site and intact. To assess if rebounding occurs, NYSDEC and NYSDOH requested an additional round of photoionization detector (PID) readings at

each of the SVE wells and VOC samples (TO-15) from SVE-7 and SVE-8 be completed at least one year after discontinuing operation of the AS/SVE system.

Benchmark-TurnKey recorded PID readings four times between May 2022 and February 2023 and collected an air sample from wells SVE-7 and SVE-8 in February 2023. The results of the additional monitoring were consistent with previous operational results and confirmed no rebounding in the vicinity of the building. Benchmark, on behalf of Homer Street Properties, requested full decommissioning and removal of the AS/SVE system on May 1, 2023, which was subsequently approved by the Department on June 15, 2023.

A Notification Addendum to Excavation Work Plan (EWP) (Ref. 11) was submitted to the NYSDEC on August 8, 2023 in accordance with the Department-approved SMP and includes details regarding decommissioning of the AS/SVE system. The 60-Day Advance Notification of Site Change of Use form (Ref. 12) was submitted concurrently to NYSDEC. The Notification Addendum to EWP was approved and the 60-Day Advance Notification was acknowledged by the NYSDEC on August 9, 2023.

On August 17, 2023, Roux decommissioned the AS/SVE systems, consisting of 53 AS wells and 14 SVE wells. The concrete road boxes were removed, the well casings were cut to one foot below grade, and the wells were tremie grouted in-place. At each well location, the horizontal piping to the trailer was cut and removed, but the remaining horizontal piping was left in place below the cover system. At the trailers, the AS/SVE headers were cut approximately one foot below grade. Roux disassembled the AS/SVE systems and removed them from the Site. Figure 5 shows the remaining AS/SVE piping on-site. Well abandonment/decommissioning logs and a photographic log documenting decommissioning activities at the Site can be found in Section 3.2.2 and Appendix D of the 2023-2024 PRR.

On August 18, 2023, Roux collected a sample of the biofilter media for chemical analysis and waste characterization. All sample results were detected at concentrations below the method detection limit (MDL) or significantly below the regulatory level. After receiving waste disposal approval on November 1, 2023, approximately 14.34 tons of the biofilter media were disposed of at the Waste Management Chaffee Landfill on November 8, 2023. Roux subsequently filled any voids on the Site with NYSDEC-approved clean imported 3-inch crushed stone from Portville-Obi Stone. Additional information about waste characterization, waste disposal, and backfill materials can be found in Appendix D of the 2023-2024 PRR.

The cover system was restored by Roux to pre-construction conditions following the removal of the AS/SVE systems.

3.2.3 Site-Wide Inspection - Cover System Monitoring

The existing cover system is comprised of a minimum of 12 inches of clean gravel, an existing building pad, and concrete pads. A demarcation layer, consisting of orange plastic mesh material, provides a visual reference to the top of the remaining contamination zone, which is the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP.

In accordance with the SMP, the cover system must be maintained and replaced in the event it is breached as described in the EWP (SMP Appendix B). The cover system is to be inspected annually and following severe storm events. The key maintenance concerns and corrective actions are provided below.

- Gravel/Stone Cover Monitoring
    - *Ruts or erosion will be repaired by re-grading the localized area and adding additional material.*

- Concrete Pad Cover Monitoring
    - *Cracks or penetrations through the concrete pad will be sealed and/or patched.*

At the time of the Site inspection, the gravel/stone cover was in good condition and no erosion issues were identified within the swale. Roux assessed the building foundation and observed the floor to be intact. The building is empty and no longer leased. Appendix B includes a photographic log showing Site conditions at the time of the inspection.

If the type of cover system changes from that which existed (i.e., a gravel cover is replaced by asphalt), this would constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface would be included in the subsequent PRR.

4. Conclusions and Recommendations

4.1 Conclusions

Based on observations during the April 16, 2025 inspection, the Site covered by this PRR was fully compliant with the IC/EC requirements. Long-term groundwater monitoring indicates improved groundwater quality at all wells. During the July 2024 sampling event, there were no SVOCs detected above GWQS/GVs in 5 of the 7 wells, and wells MW-4 and MW-5 each had one parameter with a concentration slightly above the GWQS/GV. No SVOC concentrations exceeded GWQS/GVs over the last two sampling events at three wells (MW-1, MW-3, MW-7) and significant decreases in SVOC concentrations have been observed over the last three sampling events at the other four wells (MW-2, MW-4, MW-5, MW-6).

4.2 Recommendations

The following recommendations will be implemented with NYSDEC approval:

- Cessation of on-site groundwater monitoring. Post-remedial groundwater analytical results show a significant decrease in SVOC concentrations with only one SVOC in two wells at concentrations slightly above the GWQS/GV.
- Associated decommissioning of the seven groundwater monitoring wells in accordance with NYSDEC CP-43 Groundwater Monitoring Well Decommissioning Policy.

5. Declaration/Limitation

Roux Environmental Engineering and Geology, D.P.C. personnel conducted the annual site inspection for BCP Site No. C905044, Olean, New York according to generally accepted practices. This report complies with the scope of work provided to Jamestown Macadam, Inc. by Roux Environmental Engineering and Geology, D.P.C.

This report has been prepared for the exclusive use of Jamestown Macadam, Inc. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of Jamestown Macadam, Inc. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Roux Environmental Engineering and Geology, D.P.C.

6. References

1. New York State Department of Environmental Conservation. *DER-10/Technical Guidance for Site Investigation and Remediation.* May 2010.
2. TurnKey Environmental Restoration, LLC. *Remedial Investigation / Interim Remedial Measures / Alternatives Analysis Work Plan, 229 Homer Street Site, Olean New York.* Revised November 2015.
3. TurnKey Environmental Restoration, LLC in association with Benchmark Environmental Engineering & Science, PLLC. *Revised Alternative Analysis Report, 229 Homer Street Site, BCP Site Number: C905044, Olean New York.* June 2017.
4. TurnKey Environmental Restoration, LLC. *229 Homer Street Site, Site No. C905044, Work Plan for Pilot Study: Air Sparging and Soil Vapor Extraction.* August 25, 2017.
5. TurnKey Environmental Restoration, LLC. *229 Homer Street Site, Site No. C905044, Air Sparging/Soil Vapor Extraction Pilot Study Report.* October 30, 2017.
6. TurnKey Environmental Restoration, LLC in association with Benchmark Environmental Engineering & Science, PLLC. *Remedial Action Work Plan (RAWP), 229 Homer Street Site, BCP Site No. C905044, Olean, New York.* February 2018.
7. Benchmark Environmental Engineering & Science, PLLC in association with TurnKey Environmental Restoration, LLC. *Site Management Plan, 229 Homer Street Site, NYSDEC Site Number C905044, Olean, NY.* December 2018.
8. Benchmark Environmental Engineering & Science, PLLC in association with TurnKey Environmental Restoration, LLC. *Final Engineering Report, 229 Homer Street Site, NYSDEC Site Number C905044, Olean, NY.* December 2018.
9. Benchmark Civil/Environmental Engineering & Geology, PLLC in association with TurnKey Environmental Restoration, LLC. *Verification Soil Sampling Results for SVE System, 229 Homer Street Site (BCP Site No. C905044), Olean, New York*. May 2, 2022
10. New York State Department of Environmental Conservation. *Site Management (SM) – Verification Soil Sampling Results for SVE System, 229 Homer Street, Olean, Cattaraugus County, Site No.: C905044.* May 5, 2022.
11. Roux Environmental Engineering and Geology, D.P.C. *Notification Addendum to Excavation Work Plan and Air Sparge/Soil Vapor Extraction System Decommissioning Work Plan, 229 Homer Street, Olean, NY, Site No. C905044.* August 8, 2023.
12. Roux Environmental Engineering and Geology, D.P.C. *60-Day Change of Use Notification, 229 Homer Street, Olean, NY, Site No. C905044.* August 8, 2023.

TABLES

1. Summary of Groundwater Elevations (July 2024)
2. Summary of Groundwater Analytical Data (2011-2024)

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TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS

PERIODIC REVIEW REPORT
229 HOMER STREET SITE
OLEAN, NEW YORK

Location[1]	Grade Elevation (ft)	TOR Elevation[2] (ft)	DTW (fbTOR)	Groundwater Elevation (ft)	DTW (fbTOR)	Groundwater Elevation (ft)	DTW (fbTOR)	Groundwater Elevation (ft)	DTW (fbTOR)	Groundwater Elevation (ft)	DTW (fbTOR)	Groundwater Elevation (ft)	DTW (fbTOR)	Groundwater Elevation (ft)	DTW (fbTOR)	Groundwater Elevation (ft)	DTW (fbTOR)	Groundwater Elevation (ft)
			7/1/2019 & 7/2/2019		12/3/2019 & 12/4/2019		6/12/20		12/3/20		6/22/21		6/21/22		6/6/23		7/15/24	
MW-01	1424.90	1424.49	8.40	1416.09	10.80	1413.69	9.69	1414.80	12.12	1412.37	10.40	1414.09	9.87	1414.62	11.03	1413.46	10.09	1414.40
MW-02	1425.16	1424.72	9.45	1415.27	12.09	1412.63	11.68	1413.04	12.96	1411.76	9.57	1415.15	11.16	1413.56	12.28	1412.44	11.42	1413.30
MW-03	1424.83	1424.34	9.28	1415.06	11.40	1412.94	9.45	1414.89	12.58	1411.76	9.91	1414.43	10.78	1413.56	11.89	1412.45	11.01	1413.33
MW-04	1425.67	1425.39	8.63	1416.76	11.11	1414.28	9.96	1415.43	12.46	1412.93	11.11	1414.28	10.03	1415.36	11.58	1413.81	10.49	1414.90
MW-05	1426.06	1425.73	10.56	1415.17	12.98	1412.75	12.41	1413.32	13.82	1411.91	11.53	1414.20	12.10	1413.63	13.15	1412.58	12.36	1413.37
MW-06	1424.25	1423.99	8.95	1415.04	11.21	1412.78	9.52	1414.47	10.56	1413.43	8.70	1415.29	9.85	1414.14	11.41	1412.58	10.78	1413.21
MW-07	1424.66	1424.43	9.88	1414.55	12.08	1412.35	11.43	1413.00	12.88	1411.55	11.61	1412.82	11.15	1413.28	12.20	1412.23	11.35	1413.08

Notes:

1. Wells MW-01, MW-02, MW-03, MW-04, & MW-05 were installed in December 2015. Wells MW-06 & MW-07 were installed in June 2018.
2. Elevations are referenced to NAVD 88.

Acronyms:

fbTOR = Feet below top of riser
DTW = Depth to water

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TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA

PERIODIC REVIEW REPORT
229 HOMER STREET SITE
OLEAN, NEW YORK

Parameter [1]	NYSDEC Class GA GWQS [2]	Sample Location and Date MW-1									Sample Location and Date MW-2								
		12/8/2015	7/1/2019	12/4/2019	6/12/2020	12/4/2020	6/22/2021	6/21/2022	6/6/2023	7/16/2024	12/8/2015	7/2/2019	12/3/2019	6/12/2020	12/4/2020	6/22/2021	6/21/2022	6/6/2023	7/15/2024
TCL Volatile Organic Compounds (VOCs) - ug/L																			
Acetone	**50**	29	15 J	ND	ND	ND	ND	NA	NA	NA	14	13	ND	21	ND	3.6 J	NA	NA	NA
Benzene	**1**	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA
Cyclohexane	**--**	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA
Methylcyclohexane	**--**	1.2	ND	ND	ND	ND	ND	NA	NA	NA	4.9	ND	3.4 J	ND	ND	1.1 J	NA	NA	NA
Toluene	**5**	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA
Total TICs	**--**	*NA*	*2.9 J*	*4.15 J*	*ND*	*NA*	*ND*	NA	NA	NA	*NA*	*66.4 J*	*57.4 J*	*52.2*	*NA*	*36.2 J*	NA	NA	NA
Total VOCs	**--**	30	15	ND	ND	ND	ND	NA	NA	NA	19	13	3.4	21	ND	4.7	NA	NA	NA
TCL Semi-Volatile Organic Compounds (SVOCs) - ug/L																			
2-Methylnaphthalene [3]	**--**	ND	ND	ND	0.03 J	ND	ND < 0.02	ND < 0.02	0.08 J	ND	ND	ND	0.06 J	ND	0.11	0.12	ND < 0.02	ND < 0.02	ND
2-Chloronapthhalene [3]	**10 ***	ND	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND
Acenaphthene [3]	**20 ***	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND	0.14	ND < 0.01	ND < 0.01	ND
Acenaphthylene [3]	**--**	ND	ND	0.02 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Anthracene [3]	**50 ***	ND	ND	ND	ND	ND	0.02 J	ND < 0.01	0.02 J	ND	ND	ND	ND	ND	ND	0.12	ND < 0.01	ND < 0.01	ND
Benzo(a)anthracene [3]	**0.002 ***	ND	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	ND	ND < 0.02	**0.05 J**	ND < 0.02	ND < 0.02
Benzo(a)pyrene [3]	**ND**	ND	ND	**0.03 J**	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	**0.03 J**	ND	ND	**0.05 J**	**0.04 J**	**0.04 J**	ND < 0.02
Benzo(b)fluoranthene [3]	**0.002 ***	ND	ND	ND	ND	**0.02 J**	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	**0.07 J**	**0.05 J**	ND < 0.01	ND < 0.01
Benzo(k)fluoranthene [3]	**0.002 ***	ND	ND	ND	ND	**0.01 J**	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	**0.03 J**	**0.02 J**	ND < 0.01	ND < 0.01
Benzo(ghi)perylene [3]	**--**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND < 0.01	**0.04 J**	ND < 0.01	ND < 0.01
Bis(2-ethylhexyl) phthalate	**5**	ND	ND	1.9 J	ND	2.2 J	ND < 1.5	**12**	ND < 1.5	2.1 J	ND	ND	1.8 J	**6.8**	3.6	**7.4**	2.2 J	ND < 1.5	2.2 J
Chrysene [3]	**0.002 ***	ND	ND	**0.04 J**	ND	ND	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	**0.03 J**	ND	ND	**0.26**	**0.06 J**	ND < 0.01	ND < 0.01
Dibenz(a,h)anthracene [3]	**--**	ND	ND	0.02 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	0.03 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Diethyl phthalate	**50 ***	ND	ND	ND	ND	ND	ND < 0.38	ND < 0.38	ND < 0.38	ND	ND	ND	ND	ND	ND	ND < 0.38	ND < 0.38	ND < 0.38	ND
Di-n-butylphthalate	**50**	ND	ND	ND	ND	ND	ND < 0.39	ND < 0.39	ND < 0.39	ND	ND	ND	ND	ND	ND	ND < 0.39	ND < 0.39	ND < 0.39	ND
Di-n-octyl phthalate	**50 ***	ND	ND	ND	ND	ND	ND < 1.3	ND < 1.3	ND < 1.3	ND	ND	ND	ND	ND	ND	ND < 1.3	ND < 1.3	ND < 1.3	ND
Fluorene [3]	**50 ***	ND	ND	0.03 J	ND	ND	0.02 J	ND < 0.01	0.03 J	ND	ND	ND	0.13	ND	0.13	0.23	0.07 J	0.06 J	0.04 J
Fluoranthene [3]	**50 ***	ND	ND	ND	ND	0.03 J	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	ND	ND	0.07 J	0.07 J	0.05 J	ND
Hexachlorobenzene [3]	**0.04**	ND	ND	ND	ND	ND	0.02 J	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Hexachlorobutadiene [3]	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene [3]	**0.002 ***	ND	ND	ND	ND	ND	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	**0.04 J**	**0.04 J**	**0.03 J**	ND < 0.01
Naphthalene [3]	**10 ***	ND	ND	ND	0.21 J	ND	ND < 0.05	ND < 0.05	0.78 J+	ND	ND	ND	0.11	ND	ND	0.13	ND < 0.05	0.16 J+	ND
Pentachlorophenol [3]	**1**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	0.18 J	ND	ND	0.12 J	ND < 0.01	ND < 0.01	ND
Phenanthrene [3]	**50 ***	ND	ND	ND	ND	ND	0.03 J	ND < 0.02	0.06 J	ND	ND	ND	ND	ND	0.13	0.11	ND < 0.02	ND < 0.02	ND
Phenol	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene [3]	**50 ***	ND	ND	ND	ND	0.03 J	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	ND	ND	0.16	0.06 J	ND < 0.02	ND
Total TICs	--	*NA*	*7.8 J*	*5.8 J*	*8.2 J*	*NA*	*1.5 J*	*6.6 J*	*60 J*	*ND*	*NA*	*91 J*	*175 J*	*155 J*	*NA*	*443 J*	*46 J*	*130 J*	*15.7 J*
Total SVOCs	**--**	*ND*	*ND*	*2.0*	*0.24*	*2.3*	*0.13*	*12*	*0.97*	*2.1*	*ND*	*ND*	*2.4*	*6.8*	*4.0*	*9.1*	*2.7*	*0.34*	*2.2*

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards (GWQS).
3. SVOCs results obtained using Method 1,870D-SIM, during the July 2019, December 2019, June 2020, December 2020, June 2021, June 2022, June 2023, and July 2024 sampling events.

Definitions:
ND = Parameter not detected above laboratory method detection limit (MDL).
ND<0.01 = Parameter not detected above MDL listed.
NA = Parameter not analyzed
"--" = No Class GA GWQS/GV assigned to parameter.
" * " = Groundwater Quality Guidance Value
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
J+ = The analyte was positively identified; the associated numerical value is an estimated quanitity that may be biased high.
NJ = Detection is tentative in identification and estimated in value. Result should be used with caution as potential false positive and/or elevated quantitative value.

BOLD	= Sample result exceeds NYSDEC Class GA GWQS
12/8/2015	= Samples collected pre-remediation.

ROUX

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA

PERIODIC REVIEW REPORT
229 HOMER STREET SITE
OLEAN, NEW YORK

Parameter [1]	NYSDEC Class GA GWQS [2]	Sample Location and Date																	
		MW-3									MW-4								
		12/8/2015	7/2/2019	12/4/2019	6/12/2020	12/4/2020	6/22/2021	6/21/2022	6/6/2023	7/15/2024	12/8/2015	7/1/2019	12/3/2019	6/12/2020	12/4/2020	6/22/2021	6/21/2022	6/6/2023	7/15/2024
TCL Volatile Organic Compounds (VOCs) - ug/L																			
Acetone	**50**	ND	11	ND	9.9	2 J	ND	NA	NA	NA	15	13	ND	ND	ND	ND	NA	NA	NA
Benzene	**1**	ND	ND	ND	ND	ND	ND	NA	NA	NA	**1.5**	ND	ND	ND	ND	ND	NA	NA	NA
Cyclohexane	**--**	ND	ND	ND	0.99 J	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA
Methylcyclohexane	**--**	100 DL	0.98 J	1.9 J	67	0.94 J	2.3 J	NA	NA	NA	1.8	ND	ND	ND	ND	ND	NA	NA	NA
Toluene	**5**	ND	ND	ND	ND	ND	ND	NA	NA	NA	0.64 J	ND	ND	ND	ND	ND	NA	NA	NA
Total TICs	**--**	*NA*	*27.4 J*	*24.2 J*	*143*	*NA*	*36.8 J*	NA	NA	NA	*NA*	*2.35 J*	*2.93 J*	*ND*	*NA*	*ND*	NA	NA	NA
Total VOCs	**--**	100	12	1.9	78	2.9	2.3	NA	NA	NA	19	13	ND	ND	ND	ND	NA	NA	NA
TCL Semi-Volatile Organic Compounds (SVOCs) - u																			
2-Methylnaphthalene [3]	**--**	ND	ND	ND	0.07 J	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	0.03 J	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	0.03 J
2-Chloronaphthalene [3]	**10 ***	ND	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	0.02 J	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND
Acenaphthene [3]	**20 ***	ND	ND	0.04 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Acenaphthylene [3]	**--**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	0.02 J	ND	0.02 J	ND < 0.01	ND < 0.01	ND < 0.01	ND
Anthracene [3]	**50 ***	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Benzo(a)anthracene [3]	**0.002 ***	ND	ND	ND	**0.03 J**	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	**0.05 J**	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Benzo(a)pyrene [3]	**ND**	ND	ND	**0.02 J**	**0.04 J**	ND	**0.02 J**	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	**0.05 J**	ND	**0.05 J**	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Benzo(b)fluoranthene [3]	**0.002 ***	ND	ND	ND	**0.09 J**	ND	**0.03 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	**0.1 J**	**0.03 J**	ND < 0.01	ND < 0.01	ND < 0.01
Benzo(k)fluoranthene [3]	**0.002 ***	ND	ND	ND	**0.04 J**	ND	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	**0.03 J**	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01
Benzo(ghi)perylene [3]	**--**	ND	ND	ND	0.11	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	0.08 J	0.03 J	ND < 0.01	ND < 0.01	ND < 0.01
Bis(2-ethylhexyl) phthalate	**5**	0.68 J	ND	ND	ND	2.1 J	ND < 1.5	ND < 1.5	ND < 1.5	2.7 J	ND	ND	1.7 J	ND	**23 J**	ND < 1.5	**44 J+**	ND < 1.5	**5.7**
Chrysene [3]	**0.002 ***	ND	ND	**0.02 J**	**0.37**	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	**0.04 J**	ND	**0.05 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Dibenz(a,h)anthracene [3]	**--**	ND	ND	ND	**0.11**	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	0.03 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Diethyl phthalate	**50 ***	ND	ND	ND	ND	ND	ND < 0.38	ND < 0.38	ND < 0.38	ND	0.25 J	ND	ND	ND	ND	ND < 0.38	ND < 0.38	ND < 0.38	ND
Di-n-butylphthalate	**50**	ND	ND	ND	ND	ND	ND < 0.39	ND < 0.39	ND < 0.39	ND	ND	ND	ND	ND	ND	ND < 0.39	ND < 0.39	ND < 0.39	ND
Di-n-octyl phthalate	**50 ***	0.73 J	ND	ND	ND	ND	ND < 1.3	ND < 1.3	ND < 1.3	ND	ND	ND	ND	ND	ND	ND < 1.3	ND < 1.3	ND < 1.3	ND
Fluorene [3]	**50 ***	0.7 J	ND	0.1	ND	ND	ND < 0.01	0.07 J	ND < 0.01	0.04 J	ND	ND	0.03 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Fluoranthene [3]	**50 ***	ND	ND	ND	0.04 J	ND	0.03 J	ND < 0.02	ND < 0.02	ND	ND	ND	ND	ND	0.07 J	ND < 0.02	ND < 0.02	ND < 0.02	ND
Hexachlorobenzene [3]	**0.04**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	**0.04 J**	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Hexachlorobutadiene [3]	**--**	ND	ND	ND	ND	ND	ND	ND	ND	0.04 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene [3]	**0.002 ***	ND	ND	ND	**0.09 J**	ND	**0.03 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	**0.08 J**	**0.03 J**	ND < 0.01	ND < 0.01	ND < 0.01
Naphthalene [3]	**10 ***	ND	ND	ND	0.1 J	0.1 J	ND < 0.05	ND < 0.05	ND < 0.05	ND	ND	ND	ND	ND	ND	ND < 0.05	ND < 0.05	ND < 0.05	ND
Pentachlorophenol [3]	**1**	**7.1 J**	ND	0.17 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Phenanthrene [3]	**50 ***	0.75 J	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	0.06 J	ND	0.03 J	ND < 0.02	ND < 0.02	ND < 0.02	ND
Phenol	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene [3]	**50 ***	ND	ND	ND	0.17	0.06 J	0.05 J	ND < 0.02	ND < 0.02	ND	ND	ND	ND	ND	0.07 J	ND < 0.02	ND < 0.02	ND < 0.02	ND
Total TICs	**--**	*NA*	*3.1 J*	*27 J*	*417 J*	*NA*	*156 J*	*29 J*	*139 J*	*14.6 J*	*NA*	*31 J*	*5.5 J*	*4.7 J*	*NA*	*44 J*	*2.9 J*	*95 J*	*34 J*
Total SVOCs	**--**	*10*	*ND*	*0.35*	*1.3*	*2.3*	*0.17*	*0.07*	*ND*	*2.8*	*0.25*	*ND*	*2.0*	*ND*	*24*	*0.10*	*44*	*ND*	*5.7*

Notes:
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3. SVOCs results obtained using Method 1,870D-SIM, during the July 2019, December 2019, June 2020, December 2020, June 2021, June 2022, and June 2023 sampling events.

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ND<0.01 = Parameter not detected above MDL listed.
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BOLD	= Sample result exceeds NYSDEC Class GA GWQS
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TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA

PERIODIC REVIEW REPORT
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OLEAN, NEW YORK

Parameter [1]	NYSDEC Class GA GWQS [2]	Sample Location and Date MW-5									Sample Location and Date MW-6							
		12/8/2015	7/1/2019	12/3/2019	6/12/2020	12/4/2020	6/22/2021	6/21/2022	6/6/2023	7/15/2024	7/2/2019	12/3/2019	6/12/2020	12/4/2020	6/22/2021	6/21/2022	6/6/2023	7/16/2024
TCL Volatile Organic Compounds (VOCs) - ug/L																		
Acetone	**50**	37	14	ND	14	ND	ND	NA	NA	NA	13	ND	ND	ND	ND	NA	NA	NA
Benzene	**1**	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Cyclohexane	**--**	ND	0.98 J	ND	ND	ND	ND	NA	NA	NA	2.4 J	1.4 J	40	ND	ND	NA	NA	NA
Methylcyclohexane	**--**	52	31	3.6 J	2.0 J	ND	ND	NA	NA	NA	28	11	140	ND	2.9 J	NA	NA	NA
Toluene	**5**	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Total TICs	**--**	*NA*	*136 J*	*47.7 J*	*25*	*NA*	*ND*	NA	NA	NA	*107 J*	*66.4 J*	*134*	*NA*	*16.2 J*	NA	NA	NA
Total VOCs	**--**	89	46	3.6	16	ND	ND	NA	NA	NA	43	12	180	ND	2.9	NA	NA	NA
TCL Semi-Volatile Organic Compounds (SVOCs) - u																		
2-Methylnaphthalene [3]	**--**	3.2 J	ND	0.03 J	0.03 J	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	0.03 J	ND < 0.02	ND < 0.02	ND < 0.02	ND
2-Chloronaphthalene [3]	**10 ***	ND	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND
Acenaphthene [3]	**20 ***	ND	0.06 J	0.18	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	0.08 J	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Acenaphthylene [3]	**--**	ND	ND	0.05 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Anthracene [3]	**50 ***	ND	0.02 J	ND	0.02 J	0.02 J	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	0.02 J	ND < 0.01	ND < 0.01	ND < 0.01	ND
Benzo(a)anthracene [3]	**0.002 ***	ND	ND	ND	ND	**0.03 J**	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	**0.03 J**	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Benzo(a)pyrene [3]	**ND**	ND	ND	**0.02 J**	ND	ND	ND < 0.02	ND < 0.02	**0.04 J**	ND < 0.02	ND	**0.02 J**	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Benzo(b)fluoranthene [3]	**0.002 ***	ND	ND	ND	ND	ND	**0.02 J**	ND < 0.01	ND < 0.01	**0.03 J**	ND	ND	ND	ND	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01
Benzo(k)fluoranthene [3]	**0.002 ***	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Benzo(ghi)perylene [3]	**--**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	0.05 J	ND < 0.01	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Bis(2-ethylhexyl) phthalate	**5**	ND	ND	1.9 J	2.9 J	**100**	**78**	3.5	**81**	1.7 J	ND	1.7 J	**6.4**	**23**	**13**	4.0	**21**	1.6 J
Chrysene [3]	**0.002 ***	ND	ND	**0.02 J**	ND	**0.02 J**	**0.15**	ND < 0.01	ND < 0.01	ND < 0.01	ND	**0.02 J**	ND	**0.01 J**	**0.04 J**	ND < 0.01	ND < 0.01	ND < 0.01
Dibenz(a,h)anthracene [3]	**--**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Diethyl phthalate	**50 ***	ND	ND	ND	ND	ND	ND < 0.38	ND < 0.38	ND < 0.38	ND	ND	ND	ND	ND	ND < 0.38	ND < 0.38	ND < 0.38	ND
Di-n-butylphthalate	**50**	ND	ND	ND	ND	ND	ND < 0.39	ND < 0.39	ND < 0.39	ND	2.6 J	ND	ND	ND	ND < 0.39	ND < 0.39	ND < 0.39	ND
Di-n-octyl phthalate	**50 ***	ND	ND	ND	ND	ND	ND < 1.3	ND < 1.3	ND < 1.3	ND	ND	ND	ND	ND	ND < 1.3	ND < 1.3	ND < 1.3	ND
Fluorene [3]	**50 ***	ND	0.26	0.33	0.04 J	0.03 J	ND < 0.01	0.07 J	0.08 J	0.14	ND	0.06 J	ND	0.05 J	ND < 0.01	ND < 0.01	0.03 J	0.04 J
Fluoranthene [3]	**50 ***	ND	ND	ND	ND	ND	ND < 0.02	ND < 0.02	0.04 J	0.06 J	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND
Hexachlorobenzene [3]	**0.04**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Hexachlorobutadiene [3]	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene [3]	**0.002 ***	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	**0.05 J**	ND < 0.01	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Naphthalene [3]	**10 ***	ND	0.09 J	0.07 J	0.07 J	ND	ND < 0.05	ND < 0.05	ND < 0.05	ND	ND	ND	ND	ND	ND < 0.05	ND < 0.05	0.58 J+	0.04 J
Pentachlorophenol [3]	**1**	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND
Phenanthrene [3]	**50 ***	2.8 J	0.09 J	ND	0.04 J	0.05 J	ND < 0.02	ND < 0.02	ND < 0.02	ND	ND	ND	ND	0.08 J	ND < 0.02	ND < 0.02	ND < 0.02	ND
Phenol	**1**	ND	ND	ND	ND	ND	ND	ND	ND	0.76 J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene [3]	**50 ***	ND	ND	ND	ND	0.02 J	0.12	ND < 0.02	ND < 0.02	ND	ND	ND	ND	0.02 J	0.02 J	ND < 0.02	ND < 0.02	ND
Total TICs	**--**	*NA*	*50 J*	*41 J*	*54 J*	*NA*	*139 J*	*37 J*	*150 J*	*261 NJ*	*33 J*	*63 J*	*26 J*	*NA*	*231 J*	*4.6 J*	*169 J*	*73 J*
Total SVOCs	**--**	*6.0*	*0.26*	*2.6*	*3.1*	*100*	*78*	*3.6*	*81*	*2.8*	*2.6*	*1.8*	*6.4*	*23*	*13*	*4.0*	*22*	*1.7*

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards (GWQS).
3. SVOCs results obtained using Method 1,870D-SIM, during the July 2019 through June 2023 sampling events.

Definitions:
ND = Parameter not detected above laboratory method detection limit (MDL).
ND<0.01 = Parameter not detected above MDL listed.
NA = Parameter not analyzed
"--" = No Class GA GWQS/GV assigned to parameter.
" * " = Groundwater Quality Guidance Value
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
J+ = The analyte was positively identified; the associated numerical value is an estimated quanitity that may be biased high.
NJ = Detection is tentative in identification and estimated in value. Result should be used with caution as potential false positive and/or elevated quantitative value.

BOLD	= Sample result exceeds NYSDEC Class GA GWQS
12/8/2015	= Samples collected pre-remediation.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA

PERIODIC REVIEW REPORT
229 HOMER STREET SITE
OLEAN, NEW YORK

Parameter [1]	NYSDEC Class GA GWQS[2]	Sample Location and Date								
		MW-7								
		7/1/2019	12/4/2019	6/12/2020	12/4/2020	6/22/2021	6/21/2022	6/6/2023	6/6/2023	7/15/2024
TCL Volatile Organic Compounds (VOCs) - ug/L										
Acetone	**50**	9.3	ND	15	ND	ND	NA	NA	NA	NA
Benzene	**1**	ND	ND	ND	ND	ND	NA	NA	NA	NA
Cyclohexane	**--**	ND	1 J	2.1 J	1.1 J	0.37 J	NA	NA	NA	NA
Methylcyclohexane	**--**	0.67 J	23	60	17	6.7 J	NA	NA	NA	NA
Toluene	**5**	ND	ND	ND	ND	ND	NA	NA	NA	NA
Total TICs	**--**	*50.3 J*	*113 J*	*132*	*NA*	*55.2 J*	NA	NA	NA	NA
Total VOCs	**--**	10	24	77	18	7.1	NA	NA	NA	NA
TCL Semi-Volatile Organic Compounds (SVOCs) - u										
2-Methylnaphthalene [3]	**--**	ND	0.04 J	ND	0.04 J	0.03 J	ND < 0.02	ND < 0.02	ND < 0.02	ND
2-Chloronapththalene [3]	**10 ***	ND	ND	ND	ND	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND
Acenaphthene [3]	**20 ***	0.07 J	0.06 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND
Acenaphthylene [3]	**--**	ND	0.04 J	ND	0.03 J	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND
Anthracene [3]	**50 ***	ND	ND	0.05 J	0.04 J	0.01 J	ND < 0.01	ND < 0.01	ND < 0.01	ND
Benzo(a)anthracene [3]	**0.002 ***	ND	ND	**0.02 J**	**0.04 J**	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Benzo(a)pyrene [3]	**ND**	ND	**0.04 J**	ND	**0.02 J**	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02
Benzo(b)fluoranthene [3]	**0.002 ***	ND	ND	ND	**0.03 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Benzo(k)fluoranthene [3]	**0.002 ***	ND	ND	ND	**0.01 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Benzo(ghi)perylene [3]	**--**	ND	ND	ND	0.02 J	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Bis(2-ethylhexyl) phthalate	**5**	ND	ND	1.7 J	4.3	ND < 1.5	ND < 1.5	1.7 J	1.7 J	ND
Chrysene [3]	**0.002 ***	ND	**0.04 J**	**0.03 J**	**0.03 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Dibenz(a,h)anthracene [3]	**--**	ND	0.03 J	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND
Diethyl phthalate	**50 ***	ND	ND	ND	ND	ND < 0.38	ND < 0.38	ND < 0.38	ND < 0.38	ND
Di-n-butylphthalate	**50**	ND	ND	ND	ND	ND < 0.39	ND < 0.39	ND < 0.39	ND < 0.39	ND
Di-n-octyl phthalate	**50 ***	ND	ND	ND	ND	ND < 1.3	ND < 1.3	ND < 1.3	ND < 1.3	ND
Fluorene [3]	**50 ***	0.04 J	0.3	ND	0.16	0.02 J	ND < 0.01	0.09 J	0.09 J	0.05 J
Fluoranthene [3]	**50 ***	ND	ND	ND	0.04 J	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND
Hexachlorobenzene [3]	**0.04**	ND	ND	ND	ND	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Hexachlorobutadiene [3]	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene [3]	**0.002 ***	ND	ND	ND	**0.02 J**	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01	ND < 0.01
Naphthalene [3]	**10 ***	0.09 J	0.07 J	ND	0.11	0.07 J	ND < 0.05	ND < 0.05	ND < 0.05	0.03 J
Pentachlorophenol [3]	**1**	ND	0.18 J	ND	ND	ND < 0.01	0.12 J	ND < 0.01	ND < 0.01	ND
Phenanthrene [3]	**50 ***	ND	0.2	0.03 J	0.1 J	ND < 0.02	ND < 0.02	0.06 J	0.06 J	ND
Phenol	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene [3]	**50 ***	ND	ND	0.03 J	0.06 J	ND < 0.02	ND < 0.02	ND < 0.02	ND < 0.02	ND
Total TICs	**--**	*33 J*	*76 J*	*73 J*	*NA*	*167 J*	*139 J*	*185 J*	*185 J*	*173 J*
Total SVOCs	**--**	*0.20*	*1.0*	*1.9*	*5.1*	*0.13*	*0.12*	*1.9*	*1.9*	*0.08*

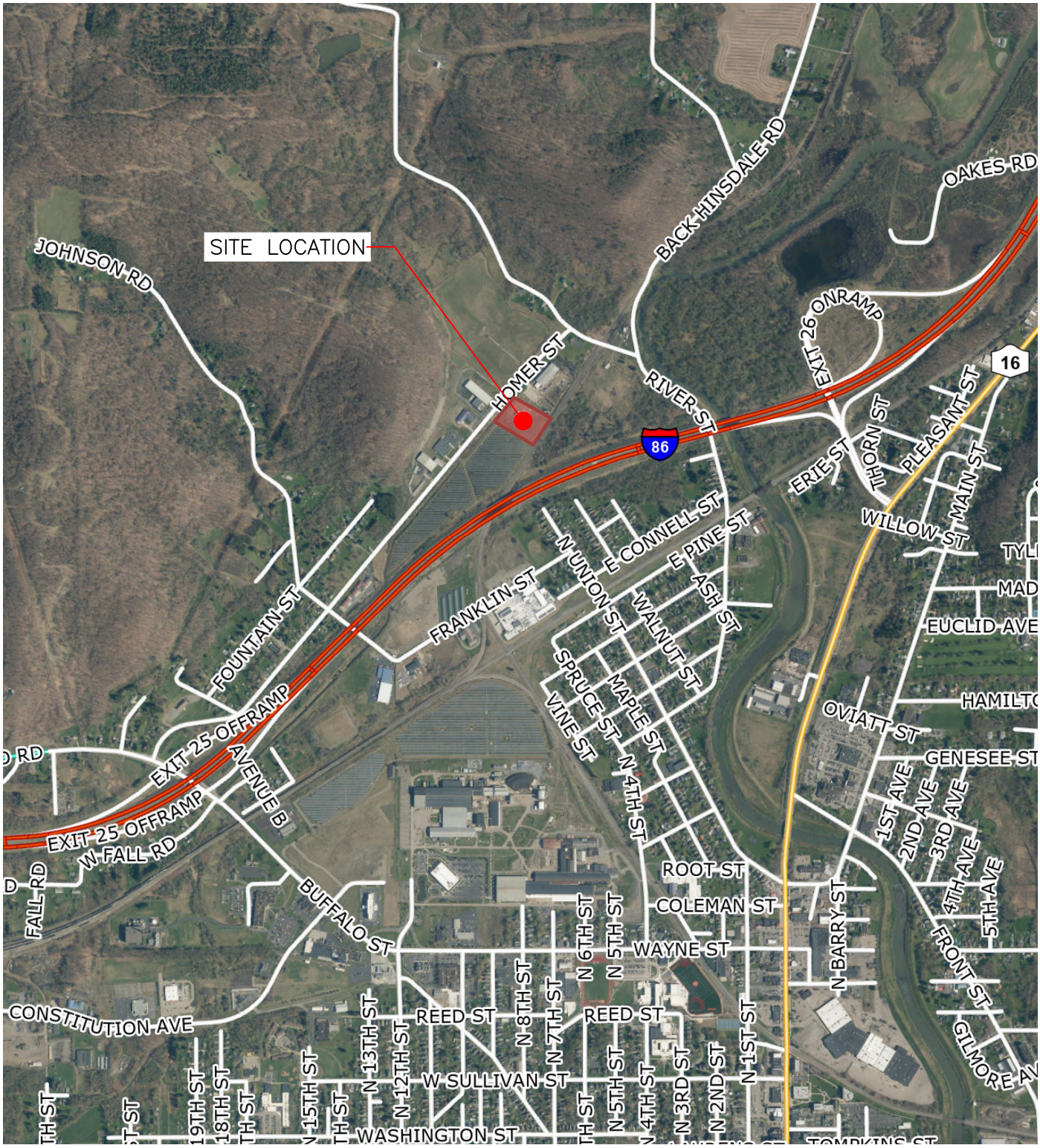
Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect
2. Values per NYSDEC TOGS 1.1.1 Class GA Groundwater Quality Standards (GWQS).
3. SVOCs results obtained using Method 1,870D-SIM, during the July 2019 through June 2023 sampling events.

Definitions:
ND = Parameter not detected above laboratory method detection limit (MDL).
ND<0.01 = Parameter not detected above MDL listed.
NA = Parameter not analyzed
"--" = No Class GA GWQS/GV assigned to parameter.
" * " = Groundwater Quality Guidance Value
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
J+ = The analyte was positively identified; the associated numerical value is an estimated quanitity that may be biased high.
NJ = Detection is tentative in identification and estimated in value. Result should be used with caution as potential false positive and/or elevated quantitative value.

BOLD = Sample result exceeds NYSDEC Class GA GWQS
12/8/2015 = Samples collected pre-remediation.

FIGURES

1. Site Location and Vicinity Map
2. Site Plan (Post-Remediation) & Property Use Map
3. Groundwater Isopotential Map (July 2024)
4. Site Cover System and Details
5. Remaining Air Sparge and Soil Vapor Extraction Piping



This map was created using **GIS** technology.
Prepared using the **Cattaraugus County Parcel Viewer**

2000' 0 2000'

NOTE: Base map Cattaraugus County Parcel Viewer 4.0, 2024 Color 1 ft.

QUADRANGLE LOCATION

Title:

SITE PLAN (AERIAL)

PERIODIC REVIEW REPORT

229 HOMER STREET (BCP SITE NO. C905044)
OLEAN, NEW YORK

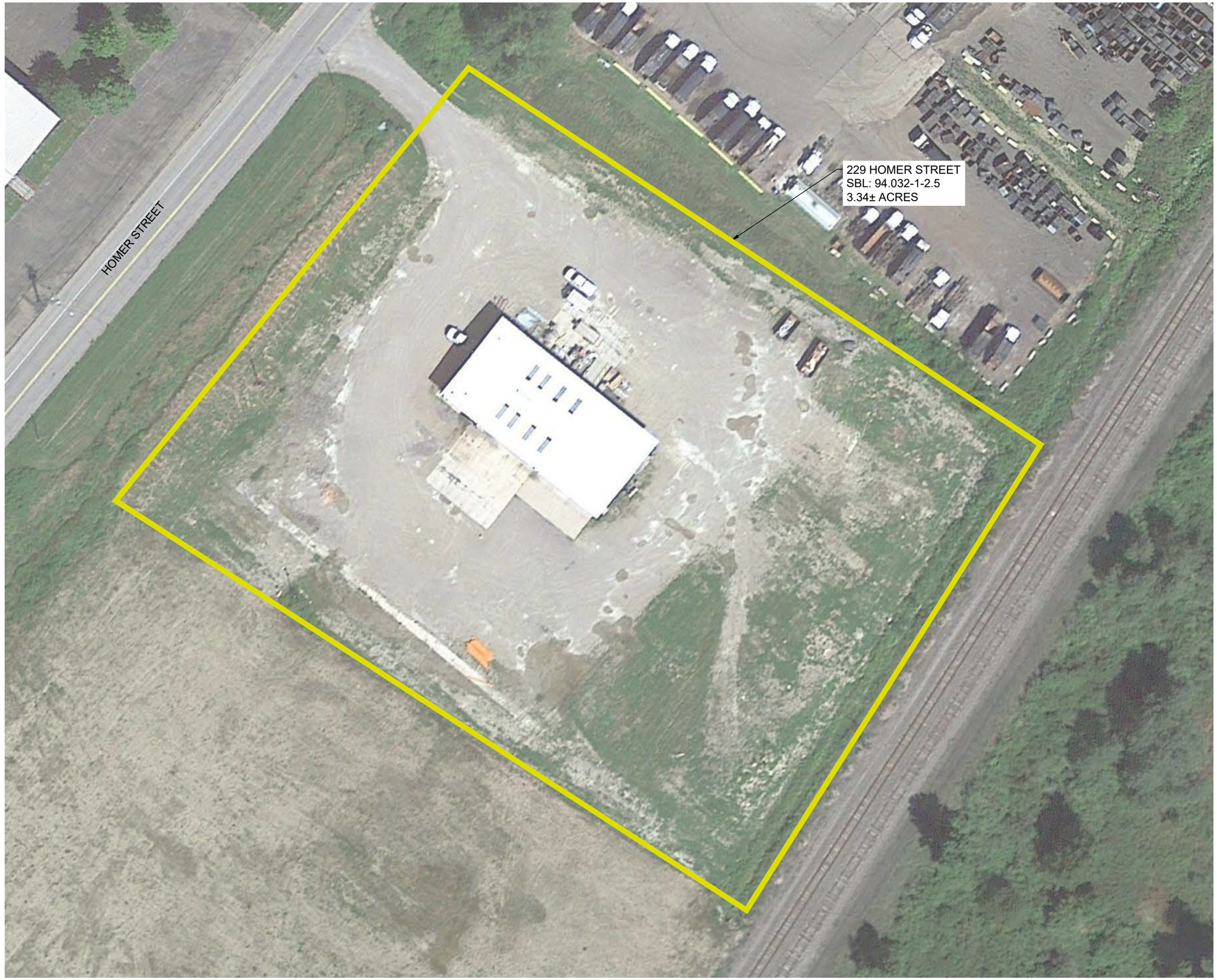
Prepared for:

JAMESTOWN MACADAM INC.

ROUX

Compiled by: JJY	Date: MAY 2025	FIGURE
Prepared by: JJY	Scale: AS SHOWN	1
Project Mgr: LER	Project: 4968.0001B000	
File: FIGURE 1; SITE LOCATION AND VICINITY MAP - (AERIAL).DWG		

F:\CAD\0-ROUX\JAMESTOWN MACADAM\PRRS\2025\FIGURE 1; SITE LOCATION AND VICINITY MAP - (AERIAL).DWG JYAEGER



LEGEND:

PROPERTY BOUNDARY

BASEMAP GOOGLE EARTH IMAGE AUGUST 2016

N

60' 0 60'

Title:

SITE PLAN (AERIAL)

PERIODIC REVIEW REPORT

229 HOMER STREET (BCP SITE NO. C905044)
OLEAN, NEW YORK

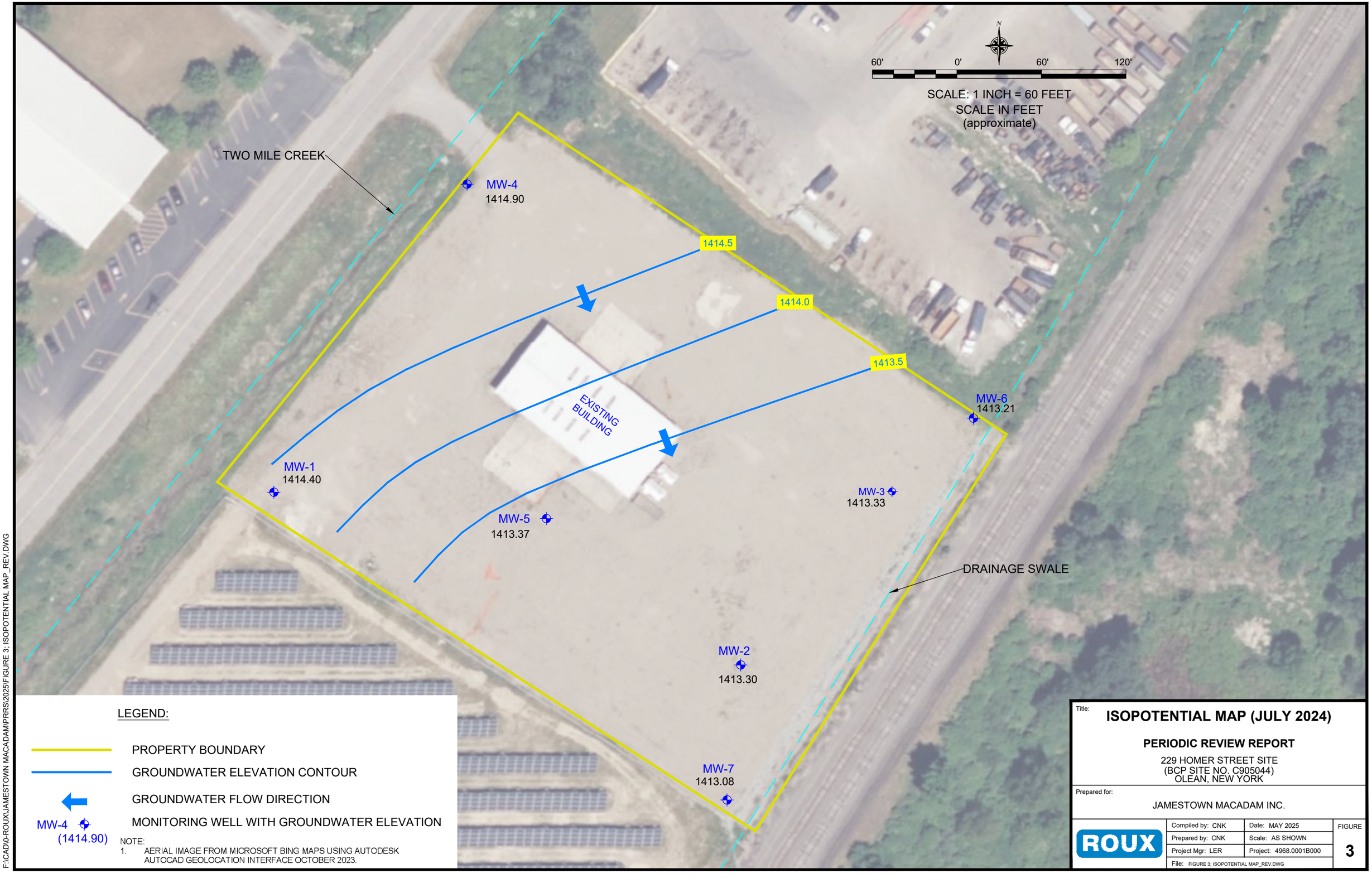
Prepared for:

JAMESTOWN MACADAM INC.

ROUX

Compiled by: JJY	Date: MAY 2025	FIGURE
Prepared by: JJY	Scale: AS SHOWN	2
Project Mgr: LER	Project: 4968.0001B000	
File: FIGURE 2; SITE PLAN (AERIAL).DWG		

F:\CAD\0-ROUX\JAMESTOWN MACADAM\PRRS\2025\FIGURE 2; SITE PLAN (AERIAL).DWG



LEGEND:

- PROPERTY BOUNDARY
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION
- MW-4 (1414.90) — MONITORING WELL WITH GROUNDWATER ELEVATION

NOTE:
1. AERIAL IMAGE FROM MICROSOFT BING MAPS USING AUTODESK AUTOCAD GEOLOCATION INTERFACE OCTOBER 2023.

Title:

ISOPOTENTIAL MAP (JULY 2024)

PERIODIC REVIEW REPORT

229 HOMER STREET SITE
(BCP SITE NO. C905044)
OLEAN, NEW YORK

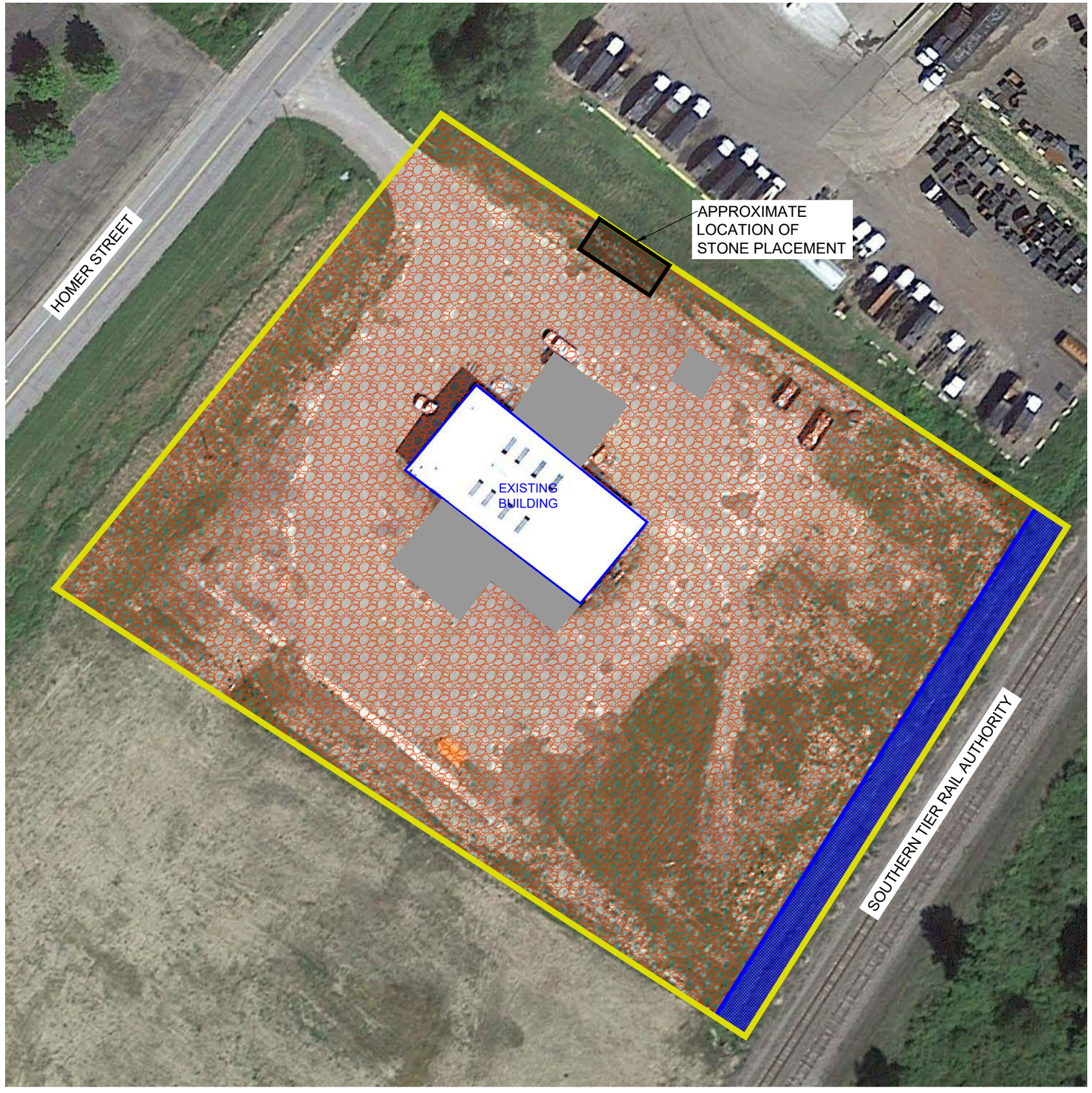
Prepared for:
JAMESTOWN MACADAM INC.

ROUX

Compiled by: CNK	Date: MAY 2025
Prepared by: CNK	Scale: AS SHOWN
Project Mgr: LER	Project: 4968.0001B000
File: FIGURE 3; ISOPOTENTIAL MAP_REV.DWG	

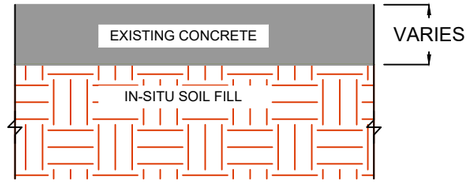
FIGURE 3

F:\CAD\0-ROUX\JAMESTOWN MACADAM\PRRS\2025\FIGURE 3; ISOPOTENTIAL MAP_REV.DWG



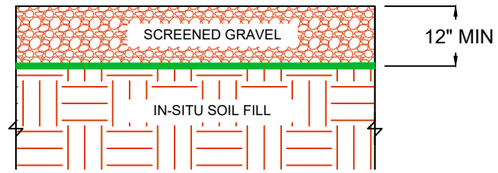
EXISTING CONCRETE COVER SYSTEM DETAIL

NTS



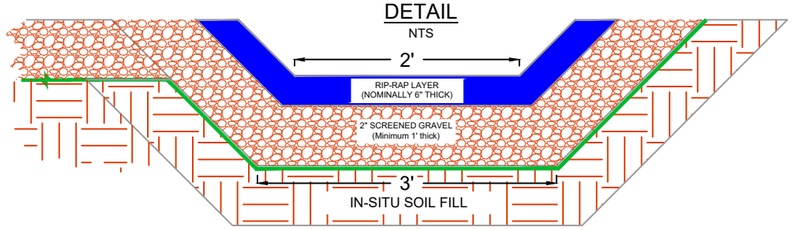
2" SCREENED GRAVEL COVER SYSTEM DETAIL

NTS



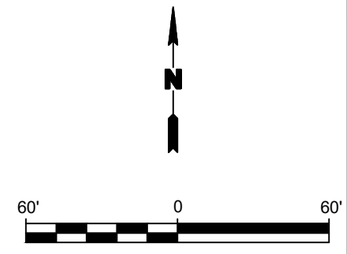
SWALE COVER SYSTEM DETAIL

NTS



LEGEND:

- BCP AND PROPERTY BOUNDARY
- SWALE COVER SYSTEM
- CONCRETE COVER SYSTEM
- GRAVEL COVER SYSTEM
- DEMARCATION LAYER



Title: **SITE COVER SYSTEM AND DETAILS**

PERIODIC REVIEW REPORT

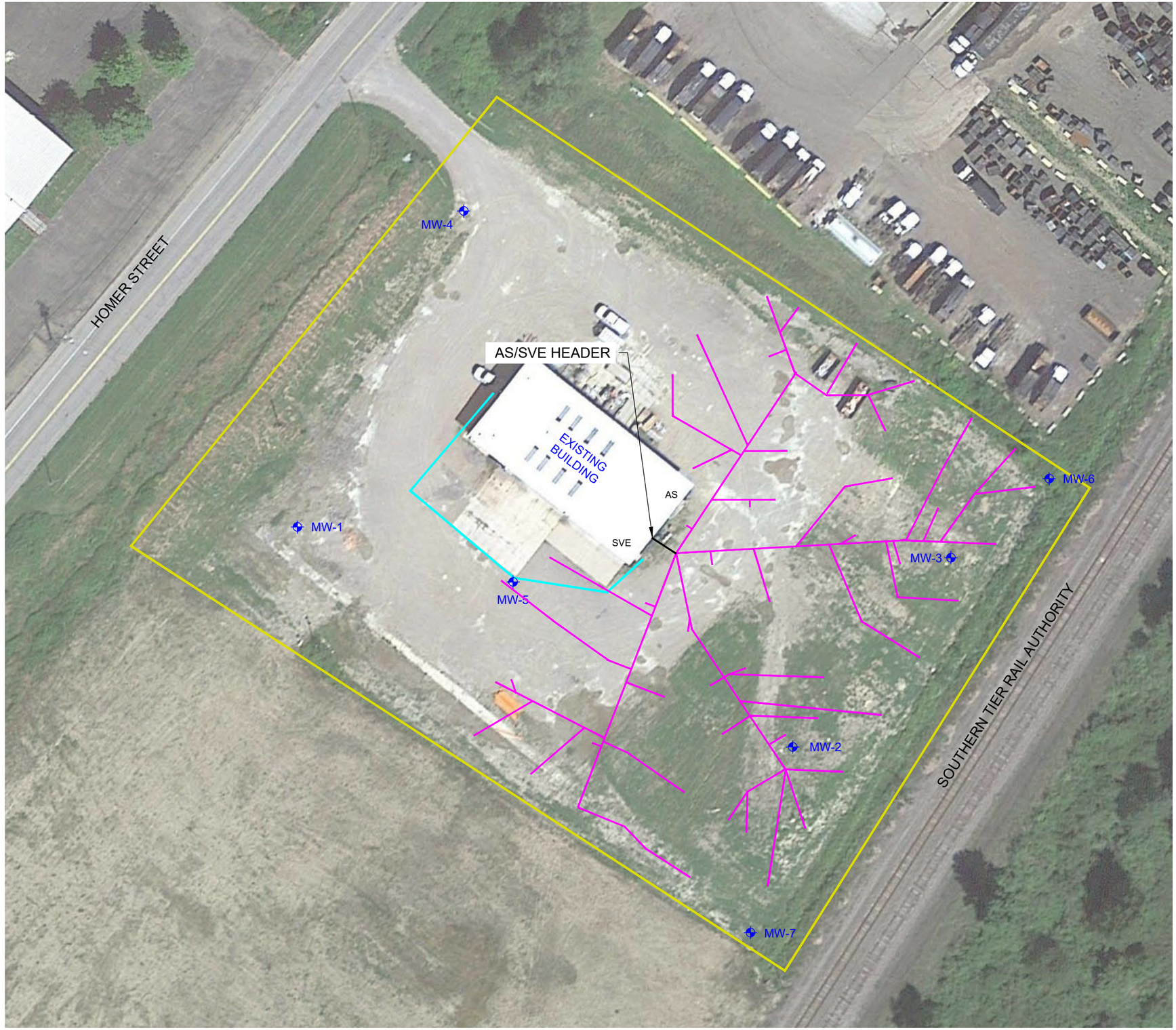
229 HOMER STREET (BCP SITE NO. C905044)
OLEAN, NEW YORK

Prepared for:
JAMESTOWN MACADAM INC.

ROUX

Compiled by: JJY	Date: MAY 2025	FIGURE 4
Prepared by: JJY	Scale: AS SHOWN	
Project Mgr: LER	Project: 4968.0001B000	
File: FIGURE 4; SITE COVER SYSTEM.DWG		

F:\CAD\0-ROUX\JAMESTOWN MACADAM\PRRS\2025\FIGURE 4; SITE COVER SYSTEM.DWG



LEGEND:

- SITE BOUNDARY
- MW-1 EXISTING MONITORING WELL (7)
- SVE CONDENSATE LINE TO SANITARY SEWER
- SVE AND AS PIPELINES

NOTE:
1. BASE MAP FROM GOOGLE IMAGE DATED AUGUST 2016.

N

60' 0 60'

Title:

REMAINING AIR SPARGE & SOIL VAPOR EXTRACTION PIPING

PERIODIC REVIEW REPORT

229 HOMER STREET (BCP SITE NO. C905044)
OLEAN, NEW YORK

Prepared for:
JAMESTOWN MACADAM INC.

ROUX

Compiled by: JJY	Date: MAY 2025	FIGURE
Prepared by: JJY	Scale: AS SHOWN	5
Project Mgr: LER	Project: 4968.0001B000	
File: FIGURE 5; REMAINING SVE AND AS PIPING.DWG		

F:\CAD\0-ROUX\JAMESTOWN MACADAM\PRRS\2025\FIGURE 5; REMAINING SVE AND AS PIPING.DWG

APPENDICES

A. IC/EC Certification Form

B. Site Photographic Log

C. Groundwater Sampling Field Forms, Analytical Data & DUSR

APPENDIX A

IC/EC Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. C905044

Site Name 229 Homer Street

Site Address: 229 Homer Street Zip Code: 14760
City/Town: Olean
County: Cattaraugus
Site Acreage: 3.340

Reporting Period: April 28, 2024 to April 28, 2025

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☑	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☑

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☑	☐

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C905044 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
94.032-1-2.5	Jamestown Macadam, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
94.032-1-2.5	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. C905044

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Christopher Smith (print name) at Jamestown Macadam, Inc. 74 Walden Avenue, Jamestown, New York 14701 (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative — Date: 5/5/25

Rendering Certification

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Lori Riker, P.E. at Roux Environmental Engineering and Geology, D.P.C. 2558 Hamburg Turnpike, Suite 300, Buffalo, New York 14218,

print name — print business address

am certifying as a Professional Engineer for the Owner

(Owner or Remedial Party)

Lori Riker — 5/6/25

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date

APPENDIX B

Site Photographic Log

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

<u>April 16, 2025 Site Visit</u>

Photo 1: Gated entrance on northwestern property boundary looking southeast.

Photo 2: Gravel cover system along western boundary looking northeast.

Photo 3: Gravel cover along northwestern boundary looking southwest.

Photo 4: Gravel cover along southwestern boundary looking southeast.

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

<u>April 16, 2025 Site Visit</u>

Photo 5: Gravel cover and rip rap within swale along southeastern boundary looking northeast.

Photo 6: Gravel cover on southwestern side of building (looking northeast at on-site building).

Photo 7: Gravel cover along southwestern boundary looking northwest.

Photo 8: Area that previously contained biofilter, SVE treatment trailer, and AS treatment trailer (looking northwest).

SITE PHOTOGRAPHS

Photo 9:

Photo 10:

April 16, 2025 Site Visit

Photo 9: Stone placed midway along the northeast property boundary (looking southwest).

Photo 10: Interior of on-site building showing concrete floor cover system.

APPENDIX C

Groundwater Sampling Field Forms, Analytical Data & DUSR

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION: 229 Homer Street Site

Project Name: ~~Olean Redevelopment Parcel 1~~

Project No.: 4357.0001B000

Client: KT Redevelopment, LLC

Date: 7/15/24

Instrument Source: ☒ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☒ pH meter	units	9:45	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☒ 6212375 ☐ 6243003 ☐ 6223973 ☐	MTF	4.00 7.00 10.01	4.01 7.05 10.01	
☒ Turbidity meter	NTU	9:45	Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) ☐ 13120C030432 (Q) ☐ 17110C062619 (Q) ☒	MTF	10 NTU verification <0.4 20 100 800	 0 22 103 804	
☒ Sp. Cond. meter	uS mS	9:45	Myron L Company Ultra Meter 6P	6213516 ☐ 6243084 ☒ 6212375 ☐ 6243003 ☐ 6223973 ☐	MTF	7000 mS @ 25 °C	6998	
☐ PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
☒ Dissolved Oxygen	ppm	9:45	HACH Model HQ30d	171932597009 ☐ 100500041867 ☐ 22293299821 ☐	MTF	100% Satuartion	100%	slope= 92.2%
☐ Particulate meter	mg/m^3					zero air		
☐ Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

GROUNDWATER FIELD FORM

Project Name: 229 Homer Street
Location: Olean, NY
Project No.: 4343.0002B000
Date: 7/15/24
Field Team: MF

Well No. MW-1			Diameter (inches): 2"			Sample Date / Time: 7/16/24 @ 10:47			
Product Depth (fbTOR): —			Water Column (ft): 8.13			DTW when sampled: 10.89			
DTW (static) (fbTOR): 10.09			One Well Volume (gal): 1.32			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 18.22'			Total Volume Purged (gal): 6.45			Purge Method: Low Flow Pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
10:23	0 Initial	0.5	6.38	18.7	668.0	104	1.46	-183	Turbid / no odor
10:26	1 10.94	1.25	6.45	16.9	609.1	86	1.58	-146	SL. Turbid / No odor
10:29	2 10.89	1.75	6.43	16.6	629.1	60	1.21	-104	" "
10:33	3 10.89	2.50	6.42	16.8	634.0	40	.97	-91	" "
10:37	4 10.89	3.25	6.43	15.6	643.2	32	.76	-80	" "
10:41	5 10.90	3.75	6.43	15.1	653.7	32	.71	-72	Clear / no odor
	6 ~~10.89~~								
	7								
	8								
	9								
	10								
Sample Information:									
10:44	S1 10.89	4.25	6.41	16.5	658.7	33	.84	-65	Clear / no odor
10:48	S2 10.89	4.50	6.45	16.5	661.9	33	1.08	-65	Clear / no odor

Well No. MW-2			Diameter (inches): 2"			Sample Date / Time: 7/15/24 @ 12:47			
Product Depth (fbTOR): —			Water Column (ft): 6.14			DTW when sampled: 11.60			
DTW (static) (fbTOR): 11.42			One Well Volume (gal): 1.00			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 17.56'			Total Volume Purged (gal): 4.75			Purge Method: Low Flow Pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
12:30	0 Initial	.5	6.76	17.1	1283	56	1.19	-45	Clear / no odor
12:32	1 11.60	1.0	6.75	15.8	1156	32	1.23	-64	Clear / no odor
12:39	2 11.59	1.75	6.76	16.0	1145	32	.92	-77	Clear / no odor
12:39	3 11.60	3.00	6.80	17.0	1154	13	.94	-81	Clear / no odor
12:44	4 11.60	3.50	6.79	17.4	1174	7	.91	-78	Clear / no odor
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
12:47	S1 11.60	4.00	6.35	16.1	1166	14	.85	-70	Clear no odor
12:51	S2 11.60	4.50	6.37	16.8	1170	7	.84	-72	Clear no odor

REMARKS: Took BD with MW-2 @ 8:00
Took MS/MSD with MW-1 @ 10:47

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

ROUX

GROUNDWATER FIELD FORM

Project Name: 229 Homer Street | Date: 7/15/24

Location: Olean, NY | Project No.: 4343.0002B000 | Field Team: MTF

Well No. MW-3			Diameter (inches): 2"			Sample Date / Time: 7/15/24 @ 12:10			
Product Depth (fbTOR):			Water Column (ft): 7.70			DTW when sampled: 11.48			
DTW (static) (fbTOR): 11.02			One Well Volume (gal): 1.26			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 18.72			Total Volume Purged (gal): 5.00			Purge Method: Low Flow Pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
11:44	0 Initial	0.0	6.27	17.8	631.8	179	.89	-64	SL turbid / odorless
11:47	1 11.51	1.50	6.02	18.7	744.5	56	.97	-67	" "
11:52	2 11.44	2.00	5.74	18.0	730.7	41	1.00	-53	" "
11:56	3 11.39	3.00	5.79	18.2	746.4	24	.95	-63	" "
12:02	4 11.47	3.50	5.79	18.0	747.0	18	1.16	-54	" "
12:05	5 11.42	4.00	5.81	16.7	752.4	20	.84	-52	" "
	6								
	7								
	8								
	9								
	10								
Sample Information:									
12:10	S1 11.48	4.75	5.88	17.5	757.0	10	.90	-52	clear / odorless
12:13	S2 11.46	5.00	5.89	17.1	747.7	16	1.15	-52	clear / odorless

Well No. MW-4			Diameter (inches): 2"			Sample Date / Time: 7/15/24 @ 11:24			
Product Depth (fbTOR):			Water Column (ft): 7.73			DTW when sampled: 11.38			
DTW (static) (fbTOR): 10.49			One Well Volume (gal): .71			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 18.22			Total Volume Purged (gal): 5.00			Purge Method: Low Flow Pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
10:00	0 Initial	0.0	5.02	20.2	298.5	227	1.82	134	clear
10:16	1 10.60	0.5	5.21	18.4	392.0	228	2.31	115	" "
10:23	2 12.86	2.00	5.36	22.3	416.7	819	1.27	104	turbid / no odor
10:53	3 11.48	2.50	7.04	17.3	553.1	71000	1.86	6	turbid / no odor
11:10	4 11.41	3.00	6.61	16.2	405.9	613	1.87	34	turbid / no odor
11:13	5 11.38	4.00	5.94	16.1	409.7	519	1.82	60	turbid / no odor
11:16	6 11.34	4.50	5.96	17.9	410.5	531	1.83	59	turbid / no odor
	7								
	8								
	9								
	10								
Sample Information:									
12:10	S1 11.48	4.75	5.88	17.5	757.6	10	.90	-52	clear / odorless
12:13	S2 11.46	5.00	5.89	17.1	747.7	16	1.15	-52	clear / odorless

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

ROUX

GROUNDWATER FIELD FORM

Project Name: 229 Homer Street | Date: 7/15/24
Location: Olean, NY | Project No.: 4343.0002B000 | Field Team: MTF

Well No. MW-5			Diameter (inches): 2"			Sample Date / Time: 7/15/24 @ 2:34 pm			
Product Depth (fbTOR): —			Water Column (ft): 6.73			DTW when sampled: 12.44			
DTW (static) (fbTOR): 12.36			One Well Volume (gal): 1.10			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 19.09'			Total Volume Purged (gal): 5.75			Purge Method: Low Flow Pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
2:11	0 Initial	.50	7.33	21.2	1166	171	.99	-69	Turbid/no odor
2:14	1 12.47	1.50	6.59	17.4	1152	31	.77	-120	SL Turbid/no odor
2:17	2 12.44	2.25	6.10	16.9	1162	17	.73	-94	Clear/no odor
2:20	3 12.44	2.75	6.28	16.7	1162	13	.67	-101	Clear/no odor
2:25	4 12.42	3.50	6.29	15.8	1153	15	.73	-101	Clear/no odor
2:30	5 12.44	4.25	6.22	16.4	1166	13	.79	-96	Clear/no odor
	6								
	7								
	8								
	9								
	10								
Sample Information:									
2:33	S1 12.43	5.00	6.23	16.7	1168	13	.74	-91	Clear/no odor
2:39	S2 12.44	5.75	6.16	16.8	1158	15	.76	-93	Clear/no odor

Well No. MW-6			Diameter (inches): 2"			Sample Date / Time: 7/16/24 @ 11:58			
Product Depth (fbTOR): —			Water Column (ft): 7.71			DTW when sampled: 10.92			
DTW (static) (fbTOR): 10.66			One Well Volume (gal): 1.26			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 18.37'			Total Volume Purged (gal): 5.25			Purge Method: Low Flow Pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
11:31	0 Initial	.25	6.86	20.1	643.3	214	1.19	-116	Turbid/no odor
11:34	1 10.93	1.00	6.66	17.8	644.6	165	1.15	-93	" "
11:37	2 10.93	1.50	6.63	16.0	649.1	75	1.14	-64	" "
11:40	3 10.92	2.0	6.55	16.0	653.3	48	1.01	-67	SL. Turbid/no odor
11:42	4 10.92	2.25	6.49	17.6	654.9	33	1.30	-67	SL. Turbid/no odor
11:46	5 10.93	2.75	6.51	16.4	653.0	43	1.19	-64	SL Turbid/no odor
11:49	6 10.92	3.50	6.51	15.5	663.7	35	1.18	-64	Clear/no odor
11:53	7 10.92	4.25	6.51	14.5	669.0	33	1.18	-63	Clear/no odor
	8								
	9								
	10								
Sample Information:									
11:55	S1 10.92	4.50	6.54	15.0	660.9	15	1.16	-64	Clear/no odor
12:01	S2 10.94	5.00	6.56	15.5	664.8	17	1.04	-62	" "

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

ROUX

GROUNDWATER FIELD FORM

Project Name: 229 Homer Street | Date: 7/15/24

Location: Olean, NY | Project No.: 4343.0002B000 | Field Team: MTF

Well No. MW-7			Diameter (inches): 2"			Sample Date / Time: 7/15/24 @ 1:47 pm			
Product Depth (fbTOR):			Water Column (ft): 7.42			DTW when sampled: 11.90			
DTW (static) (fbTOR): 11.35			One Well Volume (gal): 1.21			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 18.77			Total Volume Purged (gal): 5.75			Purge Method: Low Flow Pump			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1:25	0 Initial	.25	6.79	18.8	1523	81	.87	-95	SL turbid / no odor
1:28	1 11.72	1.00	6.14	17.6	1466	105	.91	-104	" "
1:31	2 11.88	1.75	6.13	15.8	1458	64	1.01	-101	" "
1:34	3 11.91	2.50	6.16	15.8	1365	81	.75	-99	" "
1:38	4 11.95	3.50	6.16	16.5	1340	79	.82	-99	" "
1:42	5 11.95	4.25	6.17	16.9	1289	31	.79	-103	" "
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1:46	S1 11.90	4.75	6.12	14.9	1288	49	.80	-94	Clear / no odor
1:49	S2 11.98	5.75	6.14	17.0	1271	31	.78	-94	Clear / no odor

Well No.			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS:

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

Volume Calculation

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

Stabilization Criteria

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

PREPARED BY:

ANALYTICAL REPORT

Lab Number:	L2439876
Client:	Roux 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Lori Riker
Phone:	(716) 856-0599
Project Name:	229 HOMER ST
Project Number:	4343.0002B000
Report Date:	07/23/24

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

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2439876-01	MW-1	WATER	OLEAN, NY	07/16/24 10:47	07/16/24
L2439876-02	MW-2	WATER	OLEAN, NY	07/15/24 12:47	07/16/24
L2439876-03	MW-3	WATER	OLEAN, NY	07/15/24 12:10	07/16/24
L2439876-04	MW-4	WATER	OLEAN, NY	07/15/24 11:24	07/16/24
L2439876-05	MW-5	WATER	OLEAN, NY	07/15/24 14:34	07/16/24
L2439876-06	MW-6	WATER	OLEAN, NY	07/16/24 11:58	07/16/24
L2439876-07	MW-7	WATER	OLEAN, NY	07/15/24 13:47	07/16/24
L2439876-08	BLIND DUP	WATER	OLEAN, NY	07/16/24 08:00	07/16/24

Project Name:	229 HOMER ST	**Lab Number:**	L2439876
Project Number:	4343.0002B000	**Report Date:**	07/23/24

Case Narrative

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

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

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

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

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

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

Project Name:	229 HOMER ST	**Lab Number:**	L2439876
Project Number:	4343.0002B000	**Report Date:**	07/23/24

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 07/23/24

ORGANICS

SEMIVOLATILES

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-01
Client ID: MW-1
Sample Location: OLEAN, NY

Date Collected: 07/16/24 10:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/20/24 17:10
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-01
Client ID: MW-1
Sample Location: OLEAN, NY
Date Collected: 07/16/24 10:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Tentatively Identified Compounds						
Total TIC Compounds	33.8	J	ug/l			1
Unknown	4.60	J	ug/l			1
Unknown	16.4	J	ug/l			1
Unknown	12.8	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**19**	Q	21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	33		10-120
4-Terphenyl-d14	81		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-01
Client ID: MW-1
Sample Location: OLEAN, NY

Date Collected: 07/16/24 10:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 14:29
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-01
Client ID: MW-1
Sample Location: OLEAN, NY
Date Collected: 07/16/24 10:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	22		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	37		10-120
4-Terphenyl-d14	85		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-02
Client ID: MW-2
Sample Location: OLEAN, NY

Date Collected: 07/15/24 12:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/20/24 17:35
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.2	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-02
Client ID: MW-2
Sample Location: OLEAN, NY
Date Collected: 07/15/24 12:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds						
Total TIC Compounds	41.8	J	ug/l			1
Unknown	10.0	J	ug/l			1
Unknown	16.1	J	ug/l			1
Unknown	4.70	J	ug/l			1
Unknown Organic Acid	4.70	J	ug/l			1
Unknown	6.30	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	81		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-02
Client ID: MW-2
Sample Location: OLEAN, NY

Date Collected: 07/15/24 12:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 15:17
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-02
Client ID: MW-2
Sample Location: OLEAN, NY
Date Collected: 07/15/24 12:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	117		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	51		10-120
4-Terphenyl-d14	83		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-03
Client ID: MW-3
Sample Location: OLEAN, NY

Date Collected: 07/15/24 12:10
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/20/24 18:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	2.7	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-03
Client ID: MW-3
Sample Location: OLEAN, NY
Date Collected: 07/15/24 12:10
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds						
Total TIC Compounds	40.5	J	ug/l			1
Unknown Organic Acid	5.00	J	ug/l			1
Unknown	4.60	J	ug/l			1
Unknown	5.00	J	ug/l			1
Unknown	14.7	J	ug/l			1
Unknown	11.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	87		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-03
Client ID: MW-3
Sample Location: OLEAN, NY

Date Collected: 07/15/24 12:10
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 15:33
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-03
Client ID: MW-3
Sample Location: OLEAN, NY
Date Collected: 07/15/24 12:10
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	**130**	Q	23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	91		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-04
Client ID: MW-4
Sample Location: OLEAN, NY

Date Collected: 07/15/24 11:24
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/21/24 20:29
Analyst: IM

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	5.7		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-04
Client ID: MW-4
Sample Location: OLEAN, NY
Date Collected: 07/15/24 11:24
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1
Tentatively Identified Compounds						
Total TIC Compounds	33.9	J	ug/l			1
Unknown Organic Acid	9.40	J	ug/l			1
Unknown Organic Acid	8.30	J	ug/l			1
Unknown	7.80	J	ug/l			1
Unknown	8.40	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	79		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-04
Client ID: MW-4
Sample Location: OLEAN, NY

Date Collected: 07/15/24 11:24
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 15:50
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-04
Client ID: MW-4
Sample Location: OLEAN, NY
Date Collected: 07/15/24 11:24
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	76		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-05
Client ID: MW-5
Sample Location: OLEAN, NY

Date Collected: 07/15/24 14:34
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/21/24 21:15
Analyst: IM

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	1.7	J	ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-05
Client ID: MW-5
Sample Location: OLEAN, NY
Date Collected: 07/15/24 14:34
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.76	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Carbazole	ND		ug/l	2.0	0.31	1
Atrazine	ND		ug/l	10	1.0	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	1.2	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2	1

Tentatively Identified Compounds						
Total TIC Compounds	261	J	ug/l			1
Unknown Organic Acid	15.4	J	ug/l			1
Unknown	12.3	J	ug/l			1
Unknown Amide	20.4	J	ug/l			1
Sulfur	10.1	NJ	ug/l			1
Unknown	8.70	J	ug/l			1
Unknown	8.60	J	ug/l			1
Unknown	31.4	J	ug/l			1
Cyclic Octaatomic Sulfur	154	NJ	ug/l			1

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-05
Client ID: MW-5
Sample Location: OLEAN, NY
Date Collected: 07/15/24 14:34
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	83		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-05
Client ID: MW-5
Sample Location: OLEAN, NY

Date Collected: 07/15/24 14:34
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 16:06
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.08	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.14		ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: 229 HOMER ST
Lab Number: L2439876
Project Number: 4343.0002B000
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-05
Client ID: MW-5
Sample Location: OLEAN, NY
Date Collected: 07/15/24 14:34
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	72		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-06
Client ID: MW-6
Sample Location: OLEAN, NY

Date Collected: 07/16/24 11:58
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/21/24 21:37
Analyst: IM

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-06
Client ID: MW-6
Sample Location: OLEAN, NY
Date Collected: 07/16/24 11:58
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds						
Total TIC Compounds	72.9	J	ug/l			1
Unknown	4.30	J	ug/l			1
Unknown	9.60	J	ug/l			1
Unknown Organic Acid	7.70	J	ug/l			1
Unknown	10.8	J	ug/l			1
Unknown	4.90	J	ug/l			1
Unknown Amide	35.6	J	ug/l			1

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-06
Client ID: MW-6
Sample Location: OLEAN, NY
Date Collected: 07/16/24 11:58
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	91		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-06
Client ID: MW-6
Sample Location: OLEAN, NY

Date Collected: 07/16/24 11:58
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 16:22
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-06
Client ID: MW-6
Sample Location: OLEAN, NY
Date Collected: 07/16/24 11:58
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	108		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	85		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-07
Client ID: MW-7
Sample Location: OLEAN, NY

Date Collected: 07/15/24 13:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/21/24 22:00
Analyst: IM

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-07
Client ID: MW-7
Sample Location: OLEAN, NY
Date Collected: 07/15/24 13:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-07
Client ID: MW-7
Sample Location: OLEAN, NY
Date Collected: 07/15/24 13:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	173	J	ug/l			1
Unknown	10.5	J	ug/l			1
Unknown	14.7	J	ug/l			1
Unknown	34.1	J	ug/l			1
Unknown Organic Acid	4.50	J	ug/l			1
Unknown	7.70	J	ug/l			1
Unknown	8.80	J	ug/l			1
Unknown	37.2	J	ug/l			1
Unknown	6.90	J	ug/l			1
Unknown	4.30	J	ug/l			1
Unknown	4.90	J	ug/l			1
Unknown	15.6	J	ug/l			1
Unknown	8.80	J	ug/l			1
Unknown	8.40	J	ug/l			1
Unknown	6.60	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	41		10-120
4-Terphenyl-d14	83		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-07
Client ID: MW-7
Sample Location: OLEAN, NY

Date Collected: 07/15/24 13:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 16:39
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.05	J	ug/l	0.10	0.03	1
Phenanthrene	ND		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	ND		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-07
Client ID: MW-7
Sample Location: OLEAN, NY
Date Collected: 07/15/24 13:47
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	**129**	Q	23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	85		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-08
Client ID: BLIND DUP
Sample Location: OLEAN, NY

Date Collected: 07/16/24 08:00
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/21/24 22:23
Analyst: IM

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-08
Client ID: BLIND DUP
Sample Location: OLEAN, NY
Date Collected: 07/16/24 08:00
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Tentatively Identified Compounds						
Total TIC Compounds	36.1	J	ug/l			1
Unknown	6.00	J	ug/l			1
Unknown	4.30	J	ug/l			1
Unknown	8.80	J	ug/l			1
Unknown	12.3	J	ug/l			1
Unknown Organic Acid	4.70	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	95		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-08
Client ID: BLIND DUP
Sample Location: OLEAN, NY

Date Collected: 07/16/24 08:00
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 16:55
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

SAMPLE RESULTS

Lab ID: L2439876-08
Client ID: BLIND DUP
Sample Location: OLEAN, NY
Date Collected: 07/16/24 08:00
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	**129**	Q	23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	92		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/20/24 12:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1949209-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Isophorone	ND		ug/l	5.0	0.86
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76
Dimethyl phthalate	ND		ug/l	5.0	0.92
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/20/24 12:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1949209-1					
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Carbazole	ND		ug/l	2.0	0.31
Atrazine	ND		ug/l	10	1.0
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	1.2
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	2.2

Tentatively Identified Compounds

Total TIC Compounds	28.4	J	ug/l
Unknown	10.8	J	ug/l
Unknown	9.60	J	ug/l
Unknown	8.00	J	ug/l

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/20/24 12:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1949209-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	83		41-149

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 13:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG1949210-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 13:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-08 Batch: WG1949210-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	**122**	Q	23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	89		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 229 HOMER ST

Project Number: 4343.0002B000

Lab Number: L2439876

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1949209-2 WG1949209-3								
Bis(2-chloroethyl)ether	87		82		40-140	6		30
3,3'-Dichlorobenzidine	93		81		40-140	14		30
2,4-Dinitrotoluene	98		94		48-143	4		30
2,6-Dinitrotoluene	103		97		40-140	6		30
4-Chlorophenyl phenyl ether	88		83		40-140	6		30
4-Bromophenyl phenyl ether	88		80		40-140	10		30
Bis(2-chloroisopropyl)ether	107		104		40-140	3		30
Bis(2-chloroethoxy)methane	89		86		40-140	3		30
Hexachlorocyclopentadiene	73		66		40-140	10		30
Isophorone	84		81		40-140	4		30
Nitrobenzene	91		88		40-140	3		30
NDPA/DPA	89		83		40-140	7		30
n-Nitrosodi-n-propylamine	87		82		29-132	6		30
Bis(2-ethylhexyl)phthalate	95		90		40-140	5		30
Butyl benzyl phthalate	93		90		40-140	3		30
Di-n-butylphthalate	90		92		40-140	2		30
Di-n-octylphthalate	97		92		40-140	5		30
Diethyl phthalate	94		88		40-140	7		30
Dimethyl phthalate	98		91		40-140	7		30
Biphenyl	88		84		40-140	5		30
4-Chloroaniline	79		72		40-140	9		30
2-Nitroaniline	105		98		52-143	7		30
3-Nitroaniline	101		94		25-145	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 229 HOMER ST

Project Number: 4343.0002B000

Lab Number: L2439876

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1949209-2 WG1949209-3								
4-Nitroaniline	95		88		51-143	8		30
Dibenzofuran	90		83		40-140	8		30
1,2,4,5-Tetrachlorobenzene	87		80		2-134	8		30
Acetophenone	89		86		39-129	3		30
2,4,6-Trichlorophenol	46		88		30-130	**63**	Q	30
p-Chloro-m-cresol	76		86		23-97	12		30
2-Chlorophenol	57		86		27-123	**41**	Q	30
2,4-Dichlorophenol	59		91		30-130	**43**	Q	30
2,4-Dimethylphenol	75		75		30-130	0		30
2-Nitrophenol	58		97		30-130	**50**	Q	30
4-Nitrophenol	34		67		10-80	**65**	Q	30
2,4-Dinitrophenol	63		95		20-130	**41**	Q	30
4,6-Dinitro-o-cresol	64		101		20-164	**45**	Q	30
Phenol	35		49		12-110	**33**	Q	30
2-Methylphenol	72		77		30-130	7		30
3-Methylphenol/4-Methylphenol	75		81		30-130	8		30
2,4,5-Trichlorophenol	52		93		30-130	**57**	Q	30
Carbazole	91		86		55-144	6		30
Atrazine	95		99		40-140	4		30
Benzaldehyde	84		81		40-140	4		30
Caprolactam	37		35		10-130	6		30
2,3,4,6-Tetrachlorophenol	46		91		40-140	**66**	Q	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 229 HOMER ST

Project Number: 4343.0002B000

Lab Number: L2439876

Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1949209-2 WG1949209-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		65		21-120
Phenol-d6	32		45		10-120
Nitrobenzene-d5	95		91		23-120
2-Fluorobiphenyl	92		89		15-120
2,4,6-Tribromophenol	50		88		10-120
4-Terphenyl-d14	82		77		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG1949210-2 WG1949210-3								
Acenaphthene	90		97		40-140	7		40
2-Chloronaphthalene	79		84		40-140	6		40
Fluoranthene	87		93		40-140	7		40
Hexachlorobutadiene	73		78		40-140	7		40
Naphthalene	81		87		40-140	7		40
Benzo(a)anthracene	89		97		40-140	9		40
Benzo(a)pyrene	103		113		40-140	9		40
Benzo(b)fluoranthene	98		108		40-140	10		40
Benzo(k)fluoranthene	93		102		40-140	9		40
Chrysene	94		100		40-140	6		40
Acenaphthylene	88		93		40-140	6		40
Anthracene	92		99		40-140	7		40
Benzo(ghi)perylene	97		104		40-140	7		40
Fluorene	86		92		40-140	7		40
Phenanthrene	86		92		40-140	7		40
Dibenzo(a,h)anthracene	103		111		40-140	7		40
Indeno(1,2,3-cd)pyrene	107		116		40-140	8		40
Pyrene	86		91		40-140	6		40
2-Methylnaphthalene	82		87		40-140	6		40
Pentachlorophenol	**34**	Q	83		40-140	**84**	Q	40
Hexachlorobenzene	77		82		40-140	6		40
Hexachloroethane	88		95		40-140	8		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 Batch: WG1949210-2 WG1949210-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		81		21-120
Phenol-d6	42		64		10-120
Nitrobenzene-d5	**122**	Q	**134**	Q	23-120
2-Fluorobiphenyl	82		87		15-120
2,4,6-Tribromophenol	55		103		10-120
4-Terphenyl-d14	88		94		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: 229 HOMER ST
Project Number: 4343.0002B000
Lab Number: L2439876
Report Date: 07/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1949209-4 WG1949209-5 QC Sample: L2439876-01 Client ID: MW-1												
Bis(2-chloroethyl)ether	ND	20	16	80		17	85		40-140	6		30
3,3'-Dichlorobenzidine	ND	20	15	75		12	60		40-140	22		30
2,4-Dinitrotoluene	ND	20	19	95		19	95		48-143	0		30
2,6-Dinitrotoluene	ND	20	21	110		22	110		40-140	5		30
4-Chlorophenyl phenyl ether	ND	20	18	90		18	90		40-140	0		30
4-Bromophenyl phenyl ether	ND	20	17	85		17	85		40-140	0		30
Bis(2-chloroisopropyl)ether	ND	20	21	110		22	110		40-140	5		30
Bis(2-chloroethoxy)methane	ND	20	17	85		18	90		40-140	6		30
Hexachlorocyclopentadiene	ND	20	15.J	75		18.J	90		40-140	18		30
Isophorone	ND	20	16	80		17	85		40-140	6		30
Nitrobenzene	ND	20	17	85		19	95		40-140	11		30
NDPA/DPA	ND	20	18	90		17	85		40-140	6		30
n-Nitrosodi-n-propylamine	ND	20	17	85		18	90		29-132	6		30
Bis(2-ethylhexyl)phthalate	2.1J	20	20	100		19	95		40-140	5		30
Butyl benzyl phthalate	ND	20	19	95		19	95		40-140	0		30
Di-n-butylphthalate	ND	20	18	90		18	90		40-140	0		30
Di-n-octylphthalate	ND	20	20	100		20	100		40-140	0		30
Diethyl phthalate	ND	20	19	95		18	90		40-140	5		30
Dimethyl phthalate	ND	20	19	95		19	95		40-140	0		30
Biphenyl	ND	20	17	85		18	90		40-140	6		30
4-Chloroaniline	ND	20	7.4	**37**	Q	9.3	47		40-140	23		30
2-Nitroaniline	ND	20	19	95		20	100		52-143	5		30
3-Nitroaniline	ND	20	14	70		17	85		25-145	19		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 229 HOMER ST

Project Number: 4343.0002B000

Lab Number: L2439876

Report Date: 07/23/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1949209-4 WG1949209-5 QC Sample: L2439876-01 Client ID: MW-1												
4-Nitroaniline	ND	20	18	90		18	90		51-143	0		30
Dibenzofuran	ND	20	17	85		17	85		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	20	16	80		17	85		2-134	6		30
Acetophenone	ND	20	17	85		18	90		39-129	6		30
2,4,6-Trichlorophenol	ND	20	5.3	**27**	Q	12	60		30-130	**77**	Q	30
p-Chloro-m-cresol	ND	20	13	65		16	80		23-97	21		30
2-Chlorophenol	ND	20	6.8	34		13	65		27-123	**63**	Q	30
2,4-Dichlorophenol	ND	20	7.5	38		14	70		30-130	**60**	Q	30
2,4-Dimethylphenol	ND	20	14	70		15	75		30-130	7		30
2-Nitrophenol	ND	20	7.0J	35		15	75		30-130	**73**	Q	30
4-Nitrophenol	ND	20	3.9J	20		6.0J	30		10-80	**42**	Q	30
2,4-Dinitrophenol	ND	20	12.J	60		14.J	70		20-130	15		30
4,6-Dinitro-o-cresol	ND	20	9.2J	46		12	60		20-164	26		30
Phenol	ND	20	4.9J	25		7.3	37		12-110	**39**	Q	30
2-Methylphenol	ND	20	12	60		14	70		30-130	15		30
3-Methylphenol/4-Methylphenol	ND	20	11	55		14	70		30-130	24		30
2,4,5-Trichlorophenol	ND	20	6.3	32		14	70		30-130	**76**	Q	30
Carbazole	ND	20	18	90		18	90		55-144	0		30
Atrazine	ND	20	19	95		20	100		40-140	5		30
Benzaldehyde	ND	20	16	80		17	85		40-140	6		30
Caprolactam	ND	20	6.9J	35		7.6J	38		10-130	10		30
2,3,4,6-Tetrachlorophenol	ND	20	4.9J	**25**	Q	11	55		40-140	**77**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 229 HOMER ST

Project Number: 4343.0002B000

Lab Number: L2439876

Report Date: 07/23/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1949209-4 WG1949209-5 QC Sample: L2439876-01 Client ID: MW-1

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	32		61		10-120
2-Fluorobiphenyl	87		92		15-120
2-Fluorophenol	**18**	Q	41		21-120
4-Terphenyl-d14	84		81		41-149
Nitrobenzene-d5	90		99		23-120
Phenol-d6	20		32		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1949210-4 WG1949210-5 QC Sample: L2439876-01 Client ID: MW-1												
Acenaphthene	ND	20	17	85		18	90		40-140	6		40
2-Chloronaphthalene	ND	20	15	75		16	80		40-140	6		40
Fluoranthene	ND	20	17	85		17	85		40-140	0		40
Hexachlorobutadiene	ND	20	13	65		14	70		40-140	7		40
Naphthalene	ND	20	15	75		16	80		40-140	6		40
Benzo(a)anthracene	ND	20	17	85		18	90		40-140	6		40
Benzo(a)pyrene	ND	20	20	100		20	100		40-140	0		40
Benzo(b)fluoranthene	ND	20	19	95		19	95		40-140	0		40
Benzo(k)fluoranthene	ND	20	18	90		19	95		40-140	5		40
Chrysene	ND	20	18	90		18	90		40-140	0		40
Acenaphthylene	ND	20	16	80		17	85		40-140	6		40
Anthracene	ND	20	18	90		18	90		40-140	0		40
Benzo(ghi)perylene	ND	20	19	95		19	95		40-140	0		40
Fluorene	ND	20	16	80		17	85		40-140	6		40
Phenanthrene	ND	20	16	80		17	85		40-140	6		40
Dibenzo(a,h)anthracene	ND	20	20	100		20	100		40-140	0		40
Indeno(1,2,3-cd)pyrene	ND	20	21	110		21	110		40-140	0		40
Pyrene	ND	20	16	80		16	80		40-140	0		40
2-Methylnaphthalene	ND	20	15	75		16	80		40-140	6		40
Pentachlorophenol	ND	20	4.3	**22**	Q	10	50		40-140	**80**	Q	40
Hexachlorobenzene	ND	20	15	75		15	75		40-140	0		40
Hexachloroethane	ND	20	16	80		17	85		40-140	6		40

Matrix Spike Analysis

Batch Quality Control

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1949210-4 WG1949210-5 QC Sample: L2439876-01 Client ID: MW-1												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	34		68		10-120
2-Fluorobiphenyl	77		81		15-120
2-Fluorophenol	22		46		21-120
4-Terphenyl-d14	84		85		41-149
Nitrobenzene-d5	115		**123**	Q	23-120
Phenol-d6	27		40		10-120

Project Name: 229 HOMER ST
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Lab Number: L2439876
Report Date: 07/23/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2439876-01A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-01A1	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-01A2	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-01B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-01B1	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-01B2	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-02A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-02B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-03A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-03B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-04A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-04B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-05A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-05B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-06A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-06B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2439876-07A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-07B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-08A	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439876-08B	Amber 100ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)

*Values in parentheses indicate holding time in days

Project Name:	229 HOMER ST	**Lab Number:**	L2439876
Project Number:	4343.0002B000	**Report Date:**	07/23/24

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	229 HOMER ST	**Lab Number:**	L2439876
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	229 HOMER ST	**Lab Number:**	L2439876
Project Number:	4343.0002B000	**Report Date:**	07/23/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name:	229 HOMER ST	**Lab Number:**	L2439876
Project Number:	4343.0002B000	**Report Date:**	07/23/24

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

Serial No:07232417:45

7/17/24

L2439876 23JUL24

ROUX – BENCH

NEW YORK CHAIN OF CUSTODY

Page 1 of 1

Date Rec'd in Lab

ALPHA ANALYTICAL

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

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

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

Client Information
Client: Roux
Address: 2558 Hamburg Turnpike, Lackawanna NY
Phone: 716-856-0599
Fax:
Email: LAiker@Rouxinc.com

Project Information
Project Name: 229 Homer St
Project Location: Olean, NY
Project #: 4343.00028000
(Use Project name as Project #) ☐
Project Manager: Candace Fox
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

CAF B

Please specify Metals or TAL.

ANALYSIS

NYTCL-8270-RVT + 1,4D-SI + TIC'S

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	Total Bottle
39876-01	MW-1	7/16/24	10:47am	GW	MTF		2
-02	MW-2	7/15/24	12:47pm	GW	MTF		2
-03	MW-3	7/15/24	12:10 pm	GW	MTF		2
-04	MW-4	7/15/24	11:24am	GW	MTF		2
-05	MW-5	7/15/24	2:34pm	GW	MTF		2
-06	MW-6	7/16/24	11:58am	GW	MTF		2
-07	MW-7	7/15/24	1:47pm	GW	MTF		2
-08	MS/MSD	7/16/24	10:47am	GW	MTF	Well MW-1	4
-09	Blind Dup	7/15/24	8:00am	GW	MTF		2
-10	MI 7/17/24						

Container Type: A
Preservative: A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Mitchell Forbes	7/16/24 @ 2:30pm		7/16/24 1445
Stacy Pace	7/16/24 1700	Russell B. Bixby	7/16/24 1700
Russell B. Bixby	7-16-24 2030		7-16-24 2030
	7-16-24 2330		2330
	7/17/24 0200		7/17/24 0200

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

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

Data Validation Services

120 Cobble Creek Road P. O. Box
208 North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

August 30, 2024

Charlotte Clark
Roux Environmental Engineering and Geology, D. P. C.
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218

RE: 229 Homer Street
Data Usability Summary Report (DUSR); Validation of Analytical Laboratory Data Packages
Alpha Analytical SDG No. L2439876

Dear Ms. Clark:

Review has been completed for the data package generated by Alpha Analytical that pertains to aqueous samples collected 07/15/24 and 07/16/24 at the 229 Homer Street site. Seven samples and one field duplicate were processed for TCL and 6 NYCRR Part 375 CP-51 semivolatiles and Tentatively Identified Compounds (TICs) by USEPA SW846 method EPA 8270E.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation/Sample Receipt
* Holding Times
* Surrogate and Internal Standard Recoveries
* Method Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Instrumental Tunes
* Initial and Continuing Calibration Standards
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data packages.

In summary, results for the samples are usable either as reported or with minor qualification of TIC results.

Data completeness, accuracy, precision, representativeness, reproducibility, sensitivity, and comparability are acceptable.

Validation data qualifier definitions and client sample identifications are attached to this text. Also included with this report are the client EDDs with recommended qualifiers/edits applied in red.

Blind Field Duplicate

The blind field duplicate evaluation was performed on location MW-2. Correlations fall within validation guidelines.

TCL and CP-51 Semivolatile Analyses by EPA 8270E - Full Scan and SIM

Surrogate and internal standard recoveries are compliant, and blanks show no contamination of target analytes.

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The matrix spikes evaluation was performed on MW-1, and the recoveries and correlations fall within validation guidelines. LCS recoveries and correlations are within validation guidelines. The duplicate correlations for the phenolic analytes in the matrix spikes and LCSs are elevated due to varying recoveries between the MS and MSD, and LCS and LCSD. This variance was also observed in the phenolic surrogate standard recoveries in those QC samples, and are seen to be extract anomalies. The recoveries are within acceptance ranges, and no qualification to the data is indicated.

Calibration standards (ICV/CCV) show responses within validation guidelines.

TICs in the samples that are common to the method blank have been removed from consideration as sample components.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

Attachments: Validation Data Qualifier Definitions
Sample Identifications
Qualified Laboratory EQuIS EDD

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

Project Name: 229 HOMER ST
Project Number: 4343.0002B000

Lab Number: L2439876
Report Date: 07/23/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2439876-01	MW-1	WATER	OLEAN, NY	07/16/24 10:47	07/16/24
L2439876-02	MW-2	WATER	OLEAN, NY	07/15/24 12:47	07/16/24
L2439876-03	MW-3	WATER	OLEAN, NY	07/15/24 12:10	07/16/24
L2439876-04	MW-4	WATER	OLEAN, NY	07/15/24 11:24	07/16/24
L2439876-05	MW-5	WATER	OLEAN, NY	07/15/24 14:34	07/16/24
L2439876-06	MW-6	WATER	OLEAN, NY	07/16/24 11:58	07/16/24
L2439876-07	MW-7	WATER	OLEAN, NY	07/15/24 13:47	07/16/24
L2439876-08	BLIND DUP	WATER	OLEAN, NY	07/16/24 08:00	07/16/24