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PERIODIC REVIEW REPORT
AUGUST 1, 2023 – September 1, 2024

Independent Leather Tannery
321-333 South Main Street
City of Gloversville, Fulton County, NY
NYSDEC Site Code: B00158

Prepared For:

Mayor Vincent DeSantis
City of Gloversville
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HRP #: GLO8016.GW

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General Information

Project/Site Information:
Independent Leather Tannery
(Site ID# B00158)
321-333 South Main Street, Gloversville
City of Gloversville, Fulton County, NY

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Report Date: 10/1/2024

Report Author: 
Patrick Montuori, P.G.

Certification, Limitations, and Statement of Independence

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

(a) The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;
(b) Nothing has occurred that would impair the ability of such a control to protect public health and the environment;
(c) Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan (SMP) for this control; and
(d) Access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Environmental Contractor: HRP Associates, Inc.

By: 
Glenn Netuschil, PE

1.0 EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is prepared for reporting period August 1, 2023 – September 1, 2024, for the Independent Leather Tannery (herein after referred to as the "Site") under the New York State (NYS), Environmental Restoration Program (ERP) administered by the New York State Department of Environmental Conservation (NYSDEC). This report is intended to meet the requirements of the Site Management Plan (SMP) for the Site, which specified that a PRR will be submitted to the NYSDEC annually. PRR activities completed by HRP Associates, Inc. (HRP) between August 1, 2023 and September 1, 2024 include Site cover inspections and groundwater monitoring. In addition, corrective action completed by the Site owner, the City of Gloversville (the City), in accordance with the Corrective Action Plan (CAP) dated March 5, 2024, is summarized in this PRR.

1.1 Site Summary

The Site is located at 321-333 South Main Street in the City of Gloversville, Fulton County, New York (**Figure 1**). The Site is an approximately 3.7-acre area bisected by Cayadutta Creek which flows north to south and is channelized by a concrete and stone retaining wall. The Site is a vacant, undeveloped property. The Site was previously developed with multiple buildings and utilized as a tannery. A Site Plan is provided as **Figure 2**.

Previous investigations performed at the Site found that petroleum related volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), arsenic, and chromium contamination (identified as contaminants of concern [COCs] for the Site) were present in surface soil, subsurface soil, and groundwater at concentrations exceeding NYSDEC regulatory values. A cover system was installed on the portion of the Site west of Cayadutta Creek by United States Environmental Protection Agency (EPA) as part of an Emergency Removal Action completed in 2002, and on the portion of the Site east of Cayadutta Creek (and an area in the extreme southwest corner of the Site) by the City in 2005 under the ERP.

The Site cover system functions as the sole EC for the Site. Site institutional controls (ICs) include a prohibition on use of the Site for residential purposes, a prohibition on groundwater use, and requirement to comply with the SMP which is enforced by an Environmental Easement on the Site. The SMP requires annual inspections of the Site cover system, biannual groundwater sampling and annual PRR submission to certify the efficacy of Site ECs and ICs.

1.2 Compliance

Biannual groundwater monitoring was completed in December 2023 in accordance with the SMP. The groundwater monitoring was completed in accordance with the SMP with the exception of sample collection from off-site monitoring well OFF33 which was apparently removed between the 2020 and 2023 sampling events. Based on previous sampling events, effective monitoring of Site groundwater quality can continue without off-site monitoring well OFF33 (discussed further in **Section 4.1**).

Site cover inspections were completed within the reporting period in November 2023, December 2023, and June 2024 following the completion of various stages of corrective action in accordance with the CAP dated March 5, 2024. These Site inspections satisfy the SMP requirement for an annual

inspection. A fourth Site cover inspection was completed in September 2024, following the completion of additional corrective actions. The inspections demonstrated that corrective actions had effectively addressed deficiencies in the Site cover system. One hole in the southwestern portion of the Site was re-opened following corrective action in September 2024 by a burrowing animal; however, the hole does not represent a major exposure pathway to subsurface soils.

A completed certification form is included as **Appendix A**.

1.3 Effectiveness of Remedial Program

The Site ICs and ECs are achieving the Site Remedial Action Objectives (RAOs) of eliminating or reducing receptor exposure to Site COCs and eliminating or reducing further release of COCs to groundwater and Cayadutta Creek.

1.4 Recommendations

Groundwater monitoring will continue on a biannual schedule with the next event planned for 2025. HRP recommends OFF33 be removed from the sampling schedule, as the well no longer exists. No other changes to the monitoring plan are recommended at this time.

HRP recommends the City monitor the condition of the Site cover for animal burrows and monitor the condition of the creek retaining walls during regularly scheduled mowing and maintenance visits. Crushed stone or gravel should continue to be used to backfill persistent animal burrows and other holes as they are encountered. Site cover inspections should continue to be performed on an annual basis as required by the SMP. The next Site cover inspection will be scheduled for 2025.

2.0 SITE OVERVIEW

This document is required as an element of the remedial program at the Independent Leather Tannery (herein after referred to as the "Site") under the New York State Department of Environmental Conservation (NYSDEC) Environmental Restoration Program (ERP). The Site was investigated and remediated in accordance with the ERP, as NYSDEC Site No. B00158. The Site remediation was completed in conformance with pertinent NYS regulations in effect contemporary with remedial actions, succeeded by *DER-10: Technical Guidance for Site Investigation and Remediation* (NYSDEC, May 2010). This report is intended to meet the requirements of the Site Management Plan (SMP) for the Site, which specify that a Periodic Review Report (PRR) will be submitted to the NYSDEC annually. This report is intended to meet the periodic reporting requirements for the period of August 1, 2023 to September 1, 2024. During this period, Site inspections and groundwater monitoring were completed by HRP Associates, Inc (HRP). In addition, corrective action completed by the Site owner, the City of Gloversville (the City), in accordance with the Corrective Action Plan (CAP) dated March 5, 2024, is summarized in this PRR.

The Site is located at 321-333 South Main Street in the City of Gloversville, Fulton County, New York and is identified as Section 149.13, Block 2, Lot 9 on the City of Gloversville Tax Map. The Site location is depicted on **Figure 1**. The Site is an approximately 3.7-acre area bisected by Cayadutta Creek which flows north to south. The Site is an undeveloped area vegetated mostly with grass, weeds and some trees and shrubs. A driveway paved with crushed stone enters the Site from Hill Street to the south and extends northeast to a wooden bridge crossing Cayadutta Creek. The creek is channelized by retaining walls constructed of laid up stone, concrete block and poured concrete. The Site is bounded by a car wash to the north, the FJ&G Rail Trail to the east, commercial properties to the south and southeast, and an auto repair garage to the west. The Site was previously developed with multiple buildings and utilized as a tannery. A Site Plan is provided as **Figure 2**.

Previous investigations performed at the Site found that petroleum related volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), arsenic, and chromium contamination were present in surface soil, subsurface soil, and groundwater at concentrations exceeding NYSDEC regulatory values. These contaminant groups were identified as contaminants of concern (COCs) for the Site. From 2001-2002 the United States Environmental Protection Agency (EPA) completed an Emergency Removal Action at the Site which consisted of characterization and disposal of hundreds of containers of chemicals, removal of animal wastes and cleaning of interior building surfaces, closure of storage tanks, demolition of Site buildings and off-site disposal of building materials, and placement of a soil backfill cover on the western side of the Site. In 2005 remedial activities were completed by the City under the NYSDEC ERP. This included excavation and off-site disposal of Site soils on the eastern side of the creek (which included on-site treatment of groundwater during excavation dewatering) and installation of a soil cover system on the eastern side of the creek, and an area in the extreme southwest corner of the Site.

3.0 INSTITUTIONAL AND ENGINEERING CONTROL PLAN

3.1 Institutional Controls (ICs)

The Site has a series of ICs in the form of Site restrictions. Adherence to these ICs is required by the Environmental Easement. Applicable Site restrictions are as follows:

- The Site may only be used for commercial/industrial use provided that the long-term engineering controls (ECs) and ICs included in the SMP are employed.
- The Site may not be used for a higher level of use, such as restricted or unrestricted residential use without additional remediation and/or amendment of the Environmental Easement, as approved by the NYSDEC.
- All ECs must be operated and maintained as specified in the SMP.
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- All future activities on the Site that will cause a disturbance beneath the Site cover must be conducted in accordance with the SMP.
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Fulton County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the NYSDEC.
- Monitoring and maintenance of on-site groundwater monitoring wells as set forth in Section 3.3 of the SMP (as subject to subsequent revisions made by the NYSDEC), as necessary, and as required by the NYSDEC.

3.2 Engineering Controls (ECs)

The EC system for this Site includes the following:

- Exposure to remaining impacts in subsurface soil at the Site is prevented by a cover system in place over the Site. The cover system consists of vegetated imported soil and a crushed stone driveway, each of which are designed to be a minimum of 12 inches thick. An orange geotextile demarcation barrier was installed between Site soils and cover material in the areas of Site cover installed by the City (east side of the creek). It is unknown whether a demarcation layer exists under the areas of Site cover installed by the EPA (west side of the creek).

3.3 Compliance

As of the end of the reporting period the Site remained in compliance with all ICs. During Site inspection completed within the reporting period (see **Section 4.2**) the Site cover system was found

to be in good condition and effectively achieving RAOs. The IC/EC certification form is included in **Appendix A**.

3.4 Corrective Action

3.4.1 Cayadutta Creek Retaining Wall Repairs

In 2023, the City retained HRP to design and oversee the repair of two separate collapsed sections of the creek retaining wall. Wall repairs were completed by the City's contractor in November 2023. The repaired wall areas are depicted on **Figure 2**. Photographs of the repaired sections of the creek wall and areas of Site cover associated with wall repairs, are included in the photographic logs in **Appendix B**.

Portions of the Site behind the collapsed walls were excavated and backfilled as part of the repairs. Approximately 277 tons of waste soil and stone generated by the creek wall repairs were disposed of at Fulton County Landfill. Prior to disposal, two composite soil samples were collected from the waste soil staged on-site and analyzed by Pace Analytical, an Environmental Laboratory Approval Program (ELAP) laboratory, for the following parameters required by Fulton County Landfill:

- Ignitability
- Corrosivity
- Reactivity (cyanide and sulfide)
- Toxicity Characteristic Leaching Procedure (TCLP) VOCs via Method 8260
- TCLP SVOCs via Method 8270
- TCLP RCRA 8 Metals via Method 6010D & 7470
- TCLP Pesticides via Method 8081
- TCLP Herbicides via Method 8151
- TCL PCBs via Method 8082

The disposal tickets for the waste soil are included in **Appendix C**. The laboratory analytical report for the waste characterization samples is included in **Appendix D**.

An orange geotextile fabric was installed in the excavated areas behind repaired sections of wall as a demarcation layer between Site soils left in-place and imported backfill material. Approximately 120 tons of crushed stone was used as backfill behind the repaired retaining walls. No. 2 crushed stone was imported to the Site from Carver Sand & Gravel Johnstown Quarry (Carver), located in Johnstown, New York and William M. Larned & Sons Inc. (Larned) located in Schenectady, New York. Approximately 95 tons of topsoil was imported to the Site to repair rutting of the cover system on the east side of the creek wall caused by the excavator and truck tracks. Topsoil was imported from Larned, a virgin source. Weight tickets for imported crushed stone and topsoil, and a letter stating the topsoil is imported from a virgin source are included in **Appendix E**.

A composite soil sample was collected from imported topsoil after it was spread on-site. The sample was analyzed by Alpha Analytical, an ELAP laboratory, for the following parameters required by Section 6.4 of the approved SMP:

- Resource Conservation and Recovery Act (RCRA) 8 Metals by EPA Methods 6010D & 7470

- Total Compound List (TCL) VOCs by EPA Method 8260
- TCL SVOCs by EPA Method 8270
- TCL Pesticides by EPA Method 8081
- TCL Polychlorinated Biphenyls by EPA Method 8082
- Cyanide by EPA Method 9012B

In accordance with NYSDEC's CAP approval letter dated April 15, 2024 and NYSDEC's *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)*, dated April 2023, an additional composite soil sample was collected and submitted to Pace for the following parameters:

- Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) by EPA Method 1633.
- 1,4-dioxane by EPA Method 8270 SIM.

Results from the composite soil sample indicate that none of the parameters were detected at concentrations exceeding the Allowable Constituent Levels for Imported Fill or Soil for Commercial or Industrial Use included in Appendix 5 of *DER-10.* In addition, PFOS and PFOA were not detected at concentrations exceeding Guidance Values for Commercial or Industrial Use included in *Sampling, Analysis, and Assessment of PFAS*. The laboratory analytical reports for composite soil samples collected from the imported topsoil is included in **Appendix F**.

Following the completion of wall repairs in November 2023, areas of bare imported topsoil were covered with mulch and erosion control matting. Establishment of a vegetated cover in the areas of imported topsoil was delayed due to winter weather. Photographs of the erosion control matting during Site cover inspections completed in December 2023 and June 2024 are included in **Appendix B**.

3.4.2 Site Cover System Repairs

The Site cover system was repaired in accordance with the CAP dated March 5, 2024. In August 2024, unvegetated areas where imported topsoil was placed following creek wall repairs (east of the creek) were hydroseeded. In September 2024, holes observed in the Site cover during previous inspections, presumed to be related to animal burrows and erosion, were backfilled with crushed stone, a minimum of 12 inches of imported topsoil, and finished with a sod cover. Orange geotextile fabric was placed in the holes prior to backfill as a demarcation layer. The repaired section of the Site cover and repaired holes are depicted on **Figure 2**. Photographs of the Site cover repairs taken during the September 2024 Site cover inspection are included in **Appendix B**.

Approximately 6 cubic feet of crushed stone and 6 cubic feet of topsoil were used for hole repair. Imported crushed stone (rubble sub-base) was purchased from Cranesville Block Company, Inc. of Amsterdam, NY, as part of an order used for other City properties. The imported topsoil was purchased from Lowe's Home Centers, LLC of Amsterdam, NY. Receipts for the imported topsoil, sod, crushed stone, and orange geotextile fabric used in the September 2024 hole repairs are included in **Appendix G**.

A composite sample of the imported topsoil was collected for laboratory analysis and submitted to Pace for the following parameters:

- Resource Conservation and Recovery Act (RCRA) 8 Metals by EPA Methods 6010D & 7470

- Total Compound List (TCL) VOCs by EPA Method 8260
- TCL SVOCs by EPA Method 8270
- TCL Pesticides by EPA Method 8081
- TCL Polychlorinated Biphenyls by EPA Method 8082
- Cyanide by EPA Method 9012B
- 1,4-dioxane by EPA Method 8270 SIM

An additional composite soil sample was collected and submitted to Pace for PFOS and PFOA analysis.

Results from the composite soil samples indicate that none of the parameters were detected at concentrations exceeding the Allowable Constituent Levels for Imported Fill or Soil for Commercial or Industrial Use included in Appendix 5 of *DER-10.* Laboratory analytical reports for topsoil imported for hole repair is included in **Appendix H**. PFOS and PFOA results were not received prior to the submission of this report. Laboratory analytical reports will be submitted to NYSDEC upon receipt.

3.5 Conclusions & Recommendations

Site ICs and ECs are in place and achieving RAOs. A completed certification form is included as **Appendix A**. No additional corrective action is recommended. Site cover inspections should continue on an annual basis in accordance with the SMP. Groundwater monitoring should continue on a biannual basis in accordance with the SMP. The next Site cover inspection and groundwater monitoring event will be scheduled for 2025.

4.0 MONITORING PLAN COMPLIANCE

4.1 Groundwater Monitoring

4.1.1 Monitoring Plan as Outlined in the SMP

The groundwater monitoring plan is outlined in Section 3.3 of the SMP. Revisions to the monitoring plan were made with the approval of the NYSDEC following the 2008 and 2016 groundwater monitoring events. From 2006 to 2008 groundwater sampling was completed annually. Following the 2008 event, the NYSDEC approved the reduction of sampling to a biannual schedule. Following the 2016 event, the NYSDEC approved the removal of select monitoring wells and parameters from the biannual sampling schedule.

The groundwater monitoring plan (as revised in 2016) is summarized in the table below.

Summary of Long Term Groundwater Monitoring Program (Following 2016 Revisions)			
Well ID	**TCL VOCs**	**TCL SVOCs**	**Select Metals [1]**
B-2R			X
B-3			X
MW-5			X
MW-7	X		X
MW-8			X
MW-10	X	X	X
MW-11			X
MW-12			X
OFF35	X		X
OFF33	X[2]	X[2]	
([1]) "Select Metals" include arsenic, chromium, iron, magnesium, manganese, and sodium			
([2]) OFF33 was included in the NYSDEC approved monitoring schedule but was not sampled during the December 2023 event (well was removed).			

4.1.2 Monitoring Deficiencies

All groundwater monitoring and sampling was completed in accordance with the NYSDEC approved monitoring plan on December 19, 2023, with the exception of sampling at off-site monitoring well OFF33. OFF33 was not found during the December 2023 sampling event and was determined to have been removed sometime after May 2020, the last sample event at OFF33. Previous results from OFF33 are included in the tables and graphs in **Appendix I**.

4.1.3 Monitoring Results

Groundwater monitoring was completed on December 19, 2023. Monitoring well locations are depicted in **Figure 2**. Summary tables and graphs of COC concentrations for sampling events completed during the reporting period and historic sampling events, dating back to 2002, are included in **Appendix I**. A laboratory analytical report from the December 2023 groundwater sampling event is included in **Appendix J**. Parameters detected at concentrations exceeding

NYSDEC Class GA criteria during the December 2023 sampling event are depicted on **Figure 4**. A summary of the results for the December 2023 monitoring event is presented below.

Groundwater Flow

Depth to water is 5-10 feet below grade across the Site. Groundwater flows inwards towards Cayadutta Creek. A groundwater flow map from the December 2023 monitoring event is included as **Figure 3**.

VOC Impacts

December 2023:

- In the sample collected from MW-10, xylenes and 1,2,4-trimethylbenzene were detected at concentrations exceeding NYSDEC Class GA criteria.
- VOCs were not detected at concentrations exceeding NYSDEC Class GA criteria in monitoring wells MW-7 and OFF35.

Trends:

- Naphthalene, xylenes, and/or 1,24-trimethylbenzene have been detected at concentrations exceeding NYSDEC Class GA criteria in 4 of 10 sampling events completed at MW-7 since 2002. VOCs have not been detected at concentrations exceeding Class GA criteria in MW-7 since August 2014.
- VOCs have not been detected at concentrations exceeding NYSDEC Class GA Criteria at OFF35 in the 9 sample events conducted since the well was included in the sampling schedule in 2006.
- VOC concentrations at MW-10 generally remained consistent with previous results.

Tables of 2023 and historic VOC results from all and graphs of VOC concentrations from MW-10 are included in **Appendix I**. Parameters detected at concentrations exceeding NYSDEC Class GA criteria during the December 2023 sampling event are depicted on **Figure 4**.

SVOC Impacts

December 2023:

- No SVOCs were detected at concentrations exceeding NYSDEC Class GA criteria in the sample collected from MW-10.

Trends:

- The SVOCs benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding NYSDEC Class GA criteria in the most recent sample collected from monitoring well OFF33 (2020). These results were generally consistent with previous the sample events conducted in September 2012, August 2014, and August 2016.
- SVOCs have not been detected at concentrations exceeding NYSDEC Class GA criteria in any of the sampling events conducted at monitoring wells MW-10 and OFF35, located downgradient of OFF33 and between OFF33 and Cayadutta Creek.

Tables of 2023 and historic SVOC results from all wells and graphs of SVOC concentrations from OFF33 are included in **Appendix I**.

Metals Impacts

December 2023:

- One or more of the metals analyzed during the monitoring period (arsenic, chromium, iron, magnesium, manganese, and sodium) were detected at concentrations exceeding NYSDEC Class GA criteria in each of the 9 monitoring wells sampled for these parameters.
- Arsenic was not detected at concentrations exceeding NYSDEC Class GA criteria in any of the monitoring wells with the exception of B-2R, B-3, MW-5, MW-9, MW-10, MW-11, MW-12, and OFF35.
- Chromium was not detected at concentrations exceeding NYSDEC Class GA criteria in any of the monitoring wells with the exception of MW-10, and OFF35.

Trends:

- At MW-8, arsenic concentrations have steadily increased in each of the 5 sampling events conducted since 2010, reaching 7,590 micrograms per liter (µg/L) in 2023, elevated relative to a concentration of 5,100 µg/L in 2007. Arsenic concentrations have not demonstrated increasing trends in any other monitoring wells.
- Chromium concentrations have not demonstrated increasing trends in any monitoring wells.
- Chromium has not been detected at concentrations exceeding NYSDEC Class GA criteria in any of the 10 sampling events conducted since 2002 at monitoring wells B-2/B-2R, MW-5, MW-7, MW-8, MW-11, and MW-12.

Tables of 2023 and historic metal results from all wells and graphs of arsenic and chromium concentrations from all wells are included in **Appendix I**. Parameters detected at concentrations exceeding NYSDEC Class GA criteria during the December 2023 sampling event are depicted on **Figure 4**.

4.1.4 Conclusions and Recommendations

The monitoring of groundwater at the Site was completed in compliance with the monitoring plan outlined in the SMP, with the exception of the collection of a groundwater sample at off-site well OFF33. OFF33 was not found during the December 2023 sampling event and was determined to have been removed sometime after May 2020, the last sample event at OFF33. Based on previous sampling events, effective monitoring of Site groundwater quality can continue without off-site monitoring well OFF33, as SVOCs were not detected at concentrations exceeding NYSDEC Class GA criteria in downgradient on-site monitoring wells MW-10 and OFF35 in the 2023 sampling event or any previous sampling event.

The RAOs for groundwater are being met. The prohibition of use of untreated Site groundwater has prevented the ingestion of groundwater containing COCs at concentrations exceeding drinking water standards. The Site cover system and restrictions on disturbance of the subsurface has prevented the further release of COCs into groundwater.

Groundwater monitoring will continue on a biannual schedule with the next event planned for 2025. HRP recommends OFF33 be removed from the sampling schedule, as the well no longer exists. No other changes to the monitoring plan are recommended at this time.

4.2 Site Cover Inspections

4.2.1 Monitoring Plan as Outlined in the SMP

Annual inspections of the Site cover system are required by Section 6.10 of the SMP. The SMP requires the cover system be evaluated for sloughing, cracks, settlement, erosion, distressed vegetation, and any changes that may impact the effectiveness of the remedy. The Site owner is to be notified of any necessary repairs or deficiencies needed based on the inspection.

4.2.2 Monitoring Deficiencies

There were no deficiencies in the Site cover inspection monitoring plan during the reporting period.

4.2.3 Monitoring Results

Site cover inspections were completed within the reporting period on November 21, 2023, December 19, 2023, and June 4, 2024 following the completion of various stages of corrective action in accordance with the CAP dated March 5, 2024. These Site inspections satisfy the SMP requirement for an annual inspection. A fourth Site cover inspection was completed on September 17, 2024, following the completion of additional corrective actions. Each Site inspection is summarized below.

- The first Site inspection was conducted in November 2023, following repairs to two collapsed sections of the creek retaining wall. The November 2023 inspection identified deficiencies in the Site cover including rutting of the Site cover east of the repaired creek wall and holes in the cover system related to animal burrows and erosion.
- In December 2024, a Site cover inspection was completed following the placement of imported topsoil and erosion control matting over the rutted area east of the repaired creek wall. The erosion control matting was observed to be effectively preventing erosion and no other breaches to the Site cover were observed.
- In June 2024, a Site cover inspection was performed to monitor the status of erosion control matting and re-vegetation of the Site cover. Erosion control matting and vegetation were observed to be effectively preventing erosion of imported topsoil in the repaired cover area east of the repaired creek wall. Holes in the Site cover were not addressed prior to June 2024 inspection or prior to the end of the reporting period on September 1, 2024; however, based on the small size and low frequency of holes, and the status of the Site as vacant, undeveloped property, the holes should not be considered a major exposure pathway to contaminated subsurface soils. No other breaches in the Site cover system were observed.
- In September 2024 a Site cover inspection was completed following the completion of hydroseeding (August 2024) and hole repair (September 2024) by the City. The inspection found vegetation to be re-established throughout the Site cover, and all holes to have been repaired, except for one hole in the southwestern portion of the Site which was promptly re-opened by a burrowing animal; however, the hole does not represent a major exposure pathway to subsurface soils.

Corrective actions are further documented in **Section 3.4** of this PRR. The repaired sections of the creek wall and the cover system are depicted on **Figure 2**. A photographic log of the Site cover inspections is included in **Appendix B**.

4.2.4 Conclusions and Recommendations

Site cover inspections were completed within the reporting period in November 2023, December 2023, and June 2024 following the completion of various stages of corrective action in accordance with the CAP dated March 5, 2024. These Site inspections satisfy the SMP requirement for an annual inspection. A fourth Site cover inspection was completed in September 2024, following the completion of additional corrective actions. The inspections demonstrated that corrective actions had effectively addressed deficiencies in the Site cover system. One hole in the southwestern portion of the Site was re-opened following corrective action in September 2024 by a burrowing animal; however, the hole does not represent a major exposure pathway to subsurface soils.

HRP recommends the City monitor the condition of the Site cover for animal burrows and monitor the condition of the creek retaining walls during regularly scheduled mowing and maintenance visits. Crushed stone or gravel should continue to be used to backfill persistent animal burrows and other holes as they are encountered. Site cover inspections should continue to be performed on an annual basis as required by the SMP. The next Site cover inspection will be scheduled for 2025.

5.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS & PROTECTIVENESS

The RAOs for this Site, as identified in Section 6 of the 2004 Record of Decision (ROD), are as follows:

- Eliminate or reduce to the extent practicable, exposures of persons at or around the Site to VOCs, SVOCs, and numerous metals (especially chromium and arsenic) in surface soils, subsurface soils, and groundwater at the Site.

- Eliminate or reduce to the extent practicable, the further release and migration of petroleum contaminants (VOCs and SVOCs) from soil into groundwater that may create exceedances of groundwater quality standards.

- Eliminate or reduce to the extent practicable, the release of VOCs, SVOCs, and metal contaminants (especially chromium and arsenic) from surface soil and subsurface soils into the groundwater and the Cayadutta Creek through storm water erosion, infiltration, and/or wind borne dust.

Below is a summary of the effectiveness of the remedy in the achieving the above RAOs:

- Eliminate or reduce to the extent practicable, exposures of persons at or around the Site to VOCs, SVOCs, and numerous metals (especially chromium and arsenic) in surface soils, subsurface soils, and groundwater at the Site.

    - Surface and Subsurface Soils: Implementation and maintenance of a Site cover has prevented exposure of persons at or around the Site to COCs. Additional ICs such as restrictions on Site use have reduced potential exposure of persons at or around the Site to soil contact.

    - Groundwater: Implementation of the groundwater use restriction IC has prevented exposure to contaminated groundwater to persons at or around the Site.

- Eliminate or reduce to the extent practicable, the further release and migration of petroleum contaminants (VOCs and SVOCs) from soil into groundwater that may create exceedances of groundwater quality standards.

    - Surface and Subsurface Soils: Excavation and off-site disposal of petroleum-impacted soils during remedial activities has addressed potential release and migration of petroleum contaminants from soil to groundwater. Implementation and maintenance of a Site cover system, and implementation of ICs have limited disturbance of surface and subsurface soils to the extent practicable.

    - Groundwater: Continued monitoring has indicated that further release and migration of COCs has not occurred.

- Eliminate or reduce to the extent practicable, the release of VOCs, SVOCs, and metal contaminants (especially chromium and arsenic) from surface soil and subsurface soils into

the groundwater and the Cayadutta Creek through storm water erosion, infiltration, and/or wind borne dust.

- Surface and Subsurface Soils: Excavation and off-site disposal of impacted soils during remedial activities has addressed potential release and migration of contaminants from surface and subsurface soil to groundwater and Cayadutta Creek to the extent practicable. Implementation and maintenance of a Site cover system, and implementation of ICs have prevented disturbance of surface and subsurface soils to the extent practicable.

- Groundwater: Continued monitoring has indicated that further release and migration of COCs has not occurred.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The periodic review process is used for determining if a remedy continues to be properly managed, and if the remedy continues to be protective of human health and the environment.

6.1 Conclusions

The following conclusions discuss the effectiveness of the applicable Site remedial goals derived from the SMP and ROD for the Site and DER-10.

6.1.1 Compliance with the SMP:

Site monitoring was completed in accordance with the schedules set in the SMP.

The biannual groundwater monitoring event was conducted in December 2023. The groundwater monitoring was completed in accordance with the SMP with the exception of sample collection from off-site monitoring well OFF33 which was apparently removed between the 2020 and 2023 sampling events. Based on previous sampling events, effective monitoring of Site groundwater quality can continue without off-site monitoring well OFF33. Although SVOCs were detected at concentrations exceeding NYSDEC Class GA criteria in OFF33 during previous sample events, concentrations did not demonstrate an increasing trend in the off-site well and SVOCs were not detected at concentrations exceeding NYSDEC Class GA criteria in downgradient on-site monitoring wells MW-10 and OFF35 in the 2023 sampling event or any previous sampling event.

Site cover inspections were completed within the reporting period in November 2023, December 2023, and June 2024 following the completion of various stages of corrective action in accordance with the CAP dated March 5, 2024. These Site inspections satisfy the SMP requirement for an annual inspection. A fourth Site cover inspection was completed in September 2024, following the completion of additional corrective actions. The inspections demonstrated that corrective actions had effectively addressed deficiencies in the Site cover system. One hole in the southwestern portion of the Site was re-opened following corrective action in September 2024 by a burrowing animal; however, the hole does not represent a major exposure pathway to subsurface soils.

A completed certification form is included as **Appendix A**.

6.1.2 Performance and Effectiveness of the Remedy:

Surface and Subsurface Soils:
Implementation and maintenance of a Site cover system, and implementation of ICs have prevented disturbance of surface and subsurface soils to the extent practicable. Implementation and maintenance of a Site cover has prevented exposure of persons at or around the Site to COCs. Additional ICs such as restrictions on Site use have reduced potential exposure of persons at or around the Site to soil contact. Excavation and off-site disposal of impacted soils during remedial activities has addressed potential release and migration of contaminants from surface and subsurface soil to groundwater and Cayadutta Creek to the extent practicable.

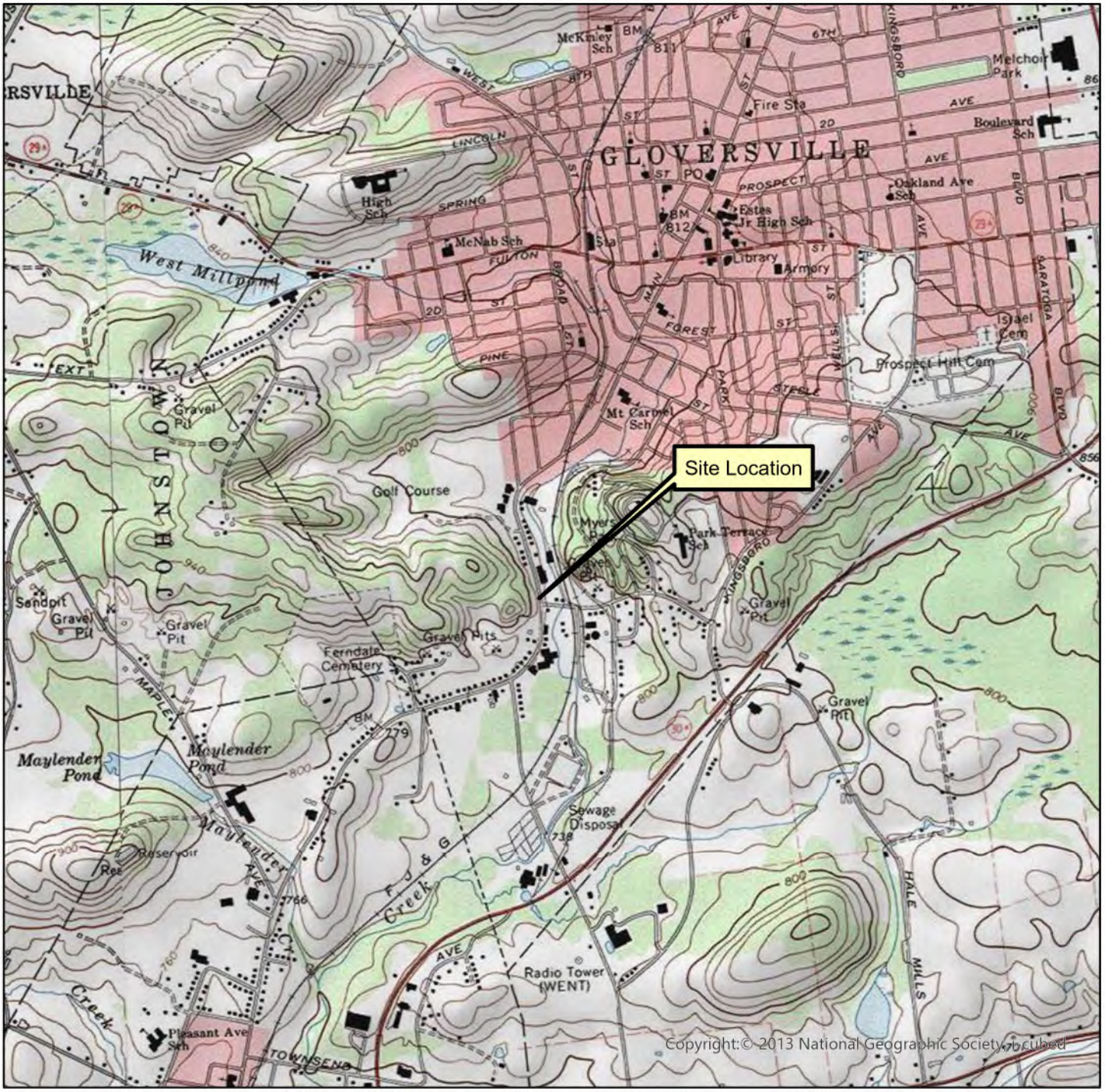
Groundwater:
Implementation of the groundwater use restriction IC has prevented exposure to contaminated groundwater to persons at or around the Site. Continued monitoring has indicated that further release and migration of COCs has not occurred. Groundwater monitoring results are generally consistent with previous results.

6.2 Recommendations

Groundwater monitoring will continue on a biannual schedule with the next event planned for 2025. HRP recommends OFF33 be removed from the sampling schedule, as the well no longer exists. No other changes to the monitoring plan are recommended at this time.

HRP recommends the City monitor the condition of the Site cover for animal burrows and monitor the condition of the creek retaining walls during regularly scheduled mowing and maintenance visits. Crushed stone or gravel should continue to be used to backfill persistent animal burrows and other holes as they are encountered. Site cover inspections should continue to be performed on an annual basis as required by the SMP. The next Site cover inspection will be scheduled for 2025.

FIGURES

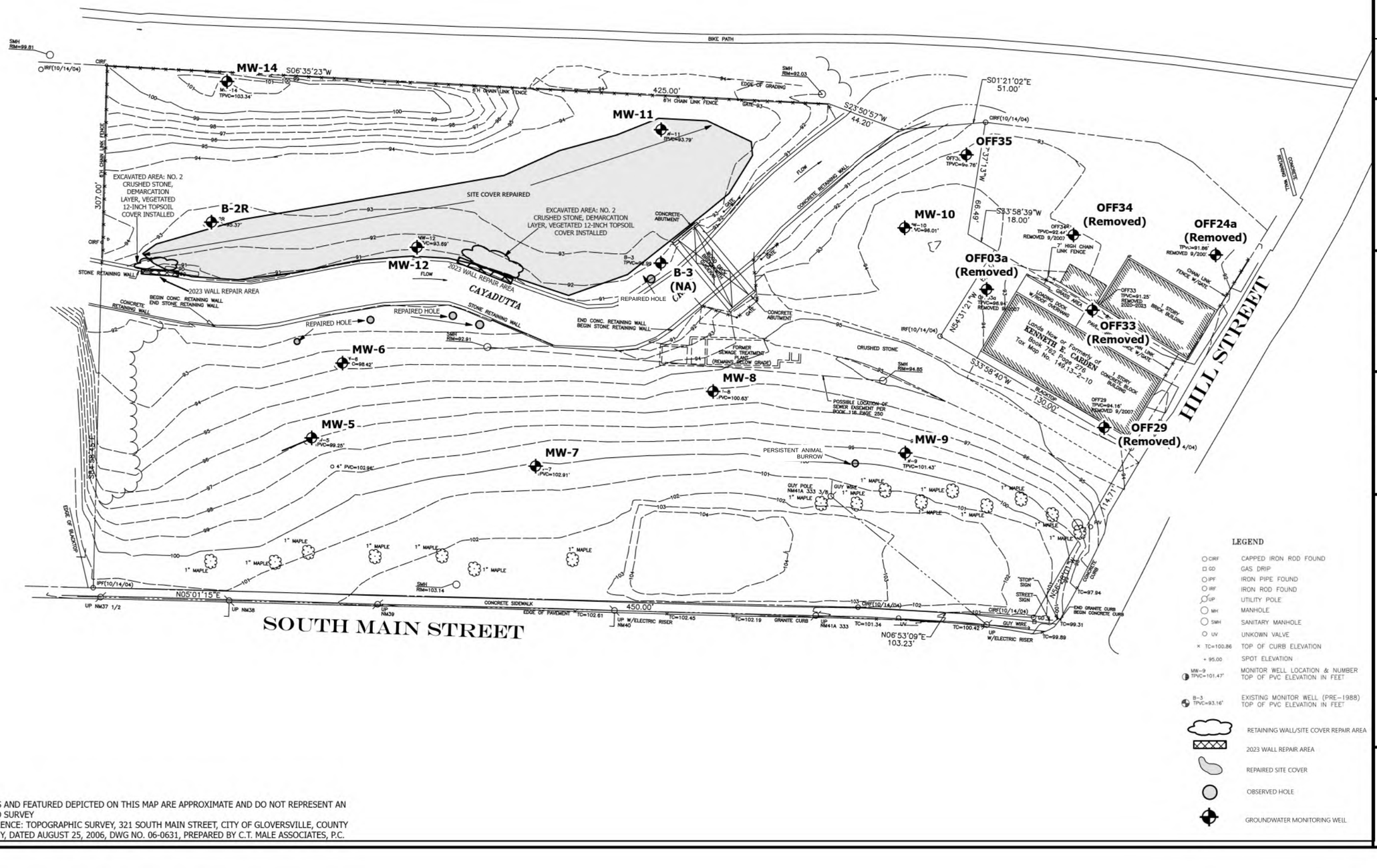


USGS Quadrangle Information
Quad ID: N4300 W7415/7.5
Name: Gloversville, New York
Date Rev: 1970
Date Pub: 2023

Figure 1
Site Location
Former Independent Leather
321-333 South Main Street
Gloversville, New York
HRP # GLO8016.GW
Scale 1" = 2,000'

HRP
MOVE YOUR ENVIRONMENT FORWARD
ONE FAIRCHILD SQUARE
SUITE 110
CLIFTON PARK, NY 12065
(518) 877-7101
HRPASSOCIATES.COM

Path: S:\Data\GIS\GLOVR - THE CITY OF GLOVERSVILLE\321-333 SOUTH MAIN ST., GLOVERSVILLE, NY\GLO8016GW - Independent GW Monitoring\GIS\independent_leather.aprx



NOTE:
1) LOCATIONS AND FEATURED DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY
2) MAP REFERENCE: TOPOGRAPHIC SURVEY, 321 SOUTH MAIN STREET, CITY OF GLOVERSVILLE, COUNTY OF FULTON, NY, DATED AUGUST 25, 2006, DWG NO. 06-0631, PREPARED BY C.T. MALE ASSOCIATES, P.C.

HRP
MOVE YOUR ENVIRONMENT FORWARD
ONE FAIRCHILD SQUARE
SUITE 110
CLIFTON PARK, NY 12065
(518) 877-7101
HRPASSOCIATES.COM

North

0 30 60 Feet

Revisions		
No.	Date	

Designed By: CMS
Drawn By: MAP
Reviewed By: PWM

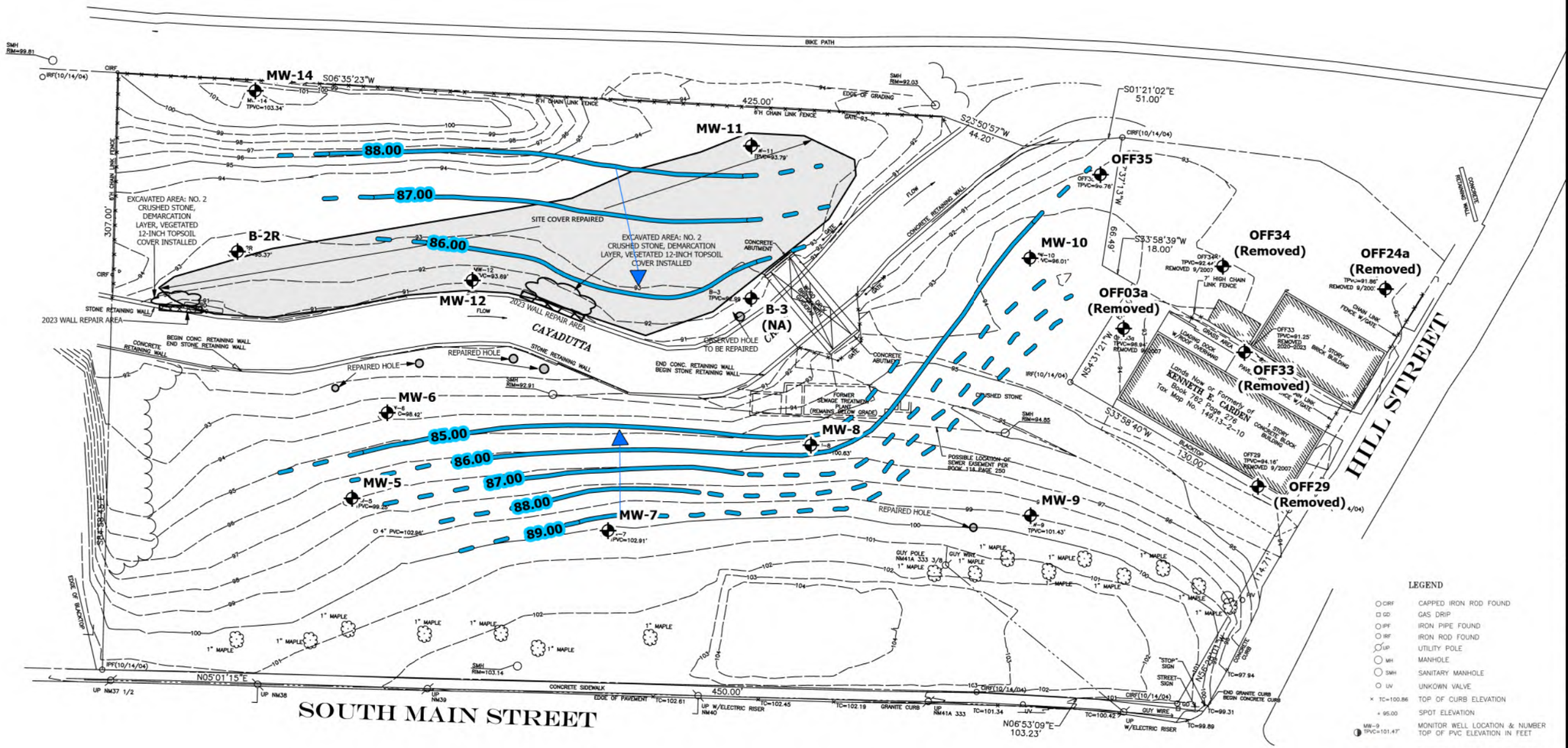
Issue Date: 9/25/2024
Project No: GLO8016.GW
Sheet Size: 11x17

Site Plan

Former Independent Leather Tannery
321-333 South Main Street
Gloversville, New York

Figure No.
2

Path: S:\Data\G\GLOVR - THE CITY OF GLOVERSVILLE\321-333 SOUTH MAIN ST., GLOVERSVILLE, NY\GLO8016GW - Independent GW Monitoring\GIS\independent_leather.aprx



NOTE:
1) LOCATIONS AND FEATURED DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY
2) MAP REFERENCE: TOPOGRAPHIC SURVEY, 321 SOUTH MAIN STREET, CITY OF GLOVERSVILLE, COUNTY OF FULTON, NY, DATED AUGUST 25, 2006, DWG NO. 06-0631, PREPARED BY C.T. MALE ASSOCIATES, P.C.
3) GROUNDWATER ELEVATIONS COLLECTED ON SEPTEMBER 17, 2024
4) NA - WATER LEVEL NOT MEASURED

HRP
MOVE YOUR ENVIRONMENT FORWARD
ONE FAIRCHILD SQUARE
SUITE 110
CLIFTON PARK, NY 12065
(518) 877-7101
HRPASSOCIATES.COM

North

0 30 60 Feet

Revisions		
No.	Date	

Designed By:	Drawn By:	Reviewed By:
CMS	MAP	PWM

Issue Date:	Project No:	Sheet Size:
9/25/2024	GLO8016.GW	11x17

Groundwater Contours (2024)

Former Independent Leather Tannery
321-333 South Main Street
Gloversville, New York

Figure No.

3

Path: S:\Data\G\GLOVR - THE CITY OF GLOVERSVILLE\321-333 SOUTH MAIN ST., GLOVERSVILLE, NY\GLO8016GW - Independent GW Monitoring\GIS\independent_leather.aprx

MW-11	
Date Collected	12/19/23
Metals (ug/L)	
Arsenic	992
Iron	34,100
Manganese	408
Sodium	21,800

MW-10	
Date Collected	12/19/23
VOCs (ug/L)	
Xylenes (total)	27.8 J
Isopropylbenzene	5.9
Metals (ug/L)	
Chromium	56.8
Iron	12,100
Manganese	322

OFF35	
Date Collected	12/19/23
Metals (ug/L)	
Arsenic	61.5
Chromium	747
Iron	28,900
Manganese	1,680

B-2R	
Date Collected	12/19/23
Metals (ug/L)	
Arsenic	196

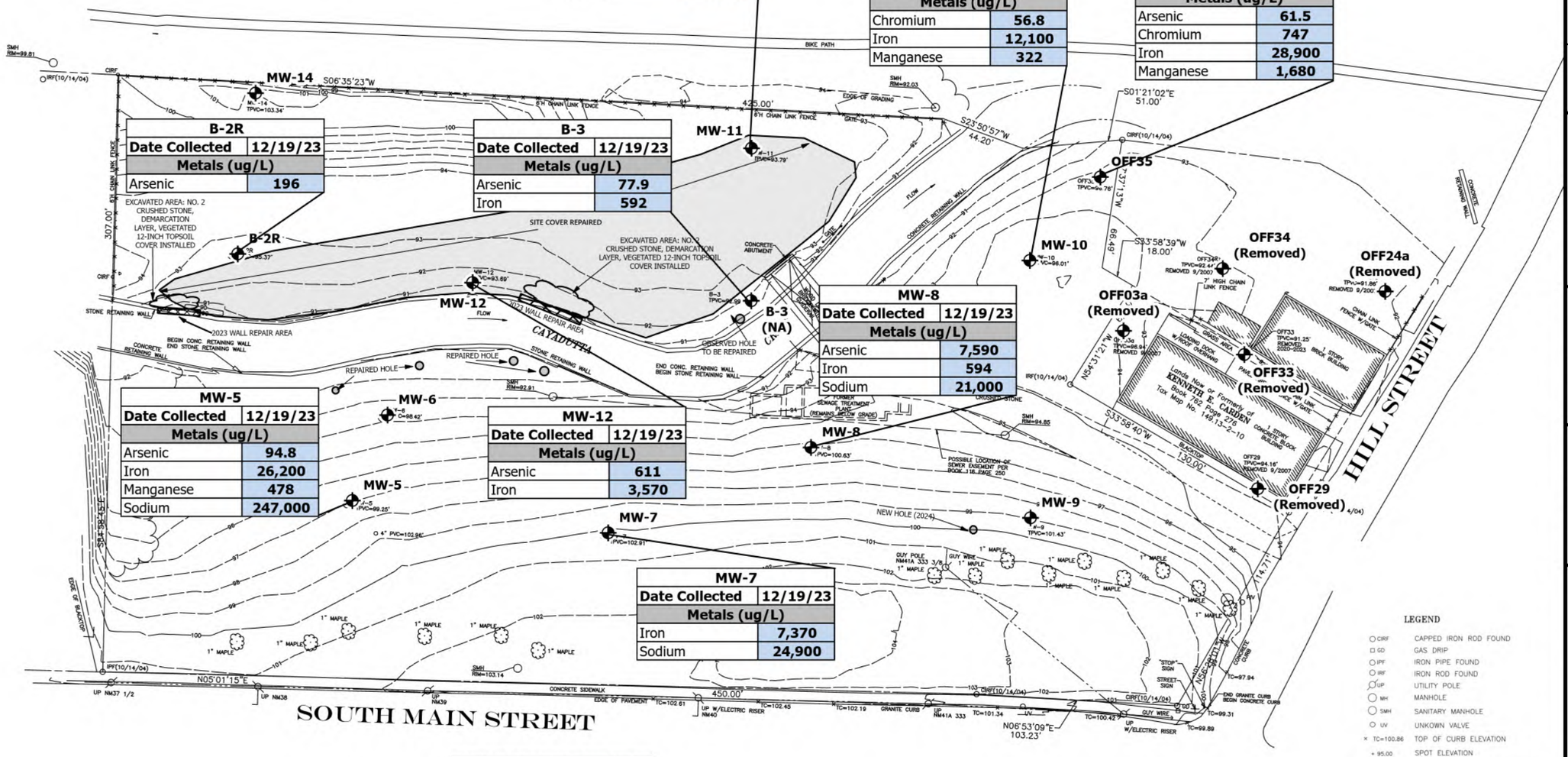
B-3	
Date Collected	12/19/23
Metals (ug/L)	
Arsenic	77.9
Iron	592

MW-8	
Date Collected	12/19/23
Metals (ug/L)	
Arsenic	7,590
Iron	594
Sodium	21,000

MW-5	
Date Collected	12/19/23
Metals (ug/L)	
Arsenic	94.8
Iron	26,200
Manganese	478
Sodium	247,000

MW-12	
Date Collected	12/19/23
Metals (ug/L)	
Arsenic	611
Iron	3,570

MW-7	
Date Collected	12/19/23
Metals (ug/L)	
Iron	7,370
Sodium	24,900



NYSDEC Class GA Criteria	
VOCs (ug/L)	
Xylenes (total)	5
Isopropylbenzene	5
Metals (ug/L)	
Arsenic	25
Chromium	50
Iron	300
Manganese	300
Sodium	20,000

Notes:

1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated J = estimated concentration

NOTE:
1) LOCATIONS AND FEATURED DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY
2) MAP REFERENCE: TOPOGRAPHIC SURVEY, 321 SOUTH MAIN STREET, CITY OF GLOVERSVILLE, COUNTY OF FULTON, NY, DATED AUGUST 25, 2006, DWG NO. 06-0631, PREPARED BY C.T. MALE ASSOCIATES, P.C.

LEGEND

- CIRF — CAPPED IRON ROD FOUND
- GD — GAS DRIP
- IPF — IRON PIPE FOUND
- IRF — IRON ROD FOUND
- UP — UTILITY POLE
- MH — MANHOLE
- SMH — SANITARY MANHOLE
- UV — UNKOWN VALVE
- TC=100.86 — TOP OF CURB ELEVATION
- + 95.00 — SPOT ELEVATION
- MW-9 TPVC=101.47' — MONITOR WELL LOCATION & NUMBER TOP OF PVC ELEVATION IN FEET
- B-3 TPVC=93.16' — EXISTING MONITOR WELL (PRE-1988) TOP OF PVC ELEVATION IN FEET
- RETAINING WALL/SITE COVER REPAIR AREA
- 2023 WALL REPAIR AREA
- REPAIRED SITE COVER
- OBSERVED HOLE
- GROUNDWATER MONITORING WELL

HRP
MOVE YOUR ENVIRONMENT FORWARD
ONE FAIRCHILD SQUARE
SUITE 110
CLIFTON PARK, NY 12065
(518) 877-7101
HRPASSOCIATES.COM

North

0 30 60 Feet

Revisions		
No.	Date	

Designed By: CMS	Drawn By: MAP	Reviewed By: PWM

Issue Date: 9/25/2024	Project No: GLO8016.GW	Sheet Size: 11x17

Groundwater Sample Exceedances (2023)

Former Independent Leather Tannery
321-333 South Main Street
Gloversville, New York

Figure No.

4

Path: S:\Data\GIS\GLOVR - THE CITY OF GLOVERSVILLE\321-333 SOUTH MAIN ST., GLOVERSVILLE, NY\GLO8016GW - Independent GW Monitoring\GIS\independent_leather.aprx

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. **B00158**

Site Name Independent Leather Tannery

Site Address: 321-333 South Main Street Zip Code: 12078-
City/Town: Gloversville (C)
County: Fulton
Site Acreage: 3.725

Reporting Period: August 01, 2023 to September 01, 2024

	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

SITE NO. B00158 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
149.13.2.9	City of Gloversville	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan

Limit the use and development of the property to commercial or industrial uses only; restrict the use of groundwater as a source of potable or process water without necessary water quality treatment as determined by the NYSDOH; and require the property owner to complete and submit to the NYSDEC an annual certification. A long term monitoring program will evaluate residual contamination left on site.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
149.13.2.9	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. B00158

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 Don Schwarta at 3 Frontage Rd, Colonie, NY
print name 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 Rendering Certification

10-1-24
Date

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 Glenn Netuschil (print name) at HRP Associates, Inc. 1 Fairchild Square, Suite 110, Clifton Park, NY 12065 (print business address)

am certifying as a Professional Engineer for the City of Gloversville, NY (Owner or Remedial Party)

STATE OF NEW YORK
GLENN NETUSCHIL
074741
LICENSED PROFESSIONAL ENGINEER

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

Stamp (Required for PE)

10-1-2024
Date

APPENDIX B

Site Cover Inspection Photographic Log

Southern wall repair area (2023) looking east
Photographed December 2023

Northern wall repair area (2023 section left, 2019 section right) looking east
Photographed December 2023

Eastern portion of the Site, looking south-southwest showing erosion control matting and mulch over imported topsoil
Photographed December 2023

Eastern portion of the Site, looking northwest, showing erosion control matting and mulch over imported topsoil
Photographed December 2023

Hole located near the west retaining wall near MW-6, looking north
Photographed December 2023

Multiple small holes located near the west retaining wall, southeast of MW-6
Photographed December 2023

	
Northern wall reapair area, showing erosion control matting and vegetation, looking northwest (Photographed June 2024)	**Southern wall repair area, showing erosion control matting and vegetation, looking west** (Photographed June 2024)
	
Southern wall repair area, erosion control matting and vegetation, looking north west (Photographed June 2024)	**Southeastern portion of Site (east of creek) erosion control matting and vegetation, looking east** (Photographed June 2024)

	
View of crushed stone driveway looking south towards Hill Street	**View of southeastern corner of Site**
	
View of southeastern corner of Site near MW-10	**View of southeastern corner of Site across bridge, repaired Site cover**
	
View of Site east of Cayadutta Creek looking north	**Repaired Site cover east of Cayadutta Creek**

View of Site east of Cayadutta Creek facing southwest

View of repaired Site cover facing southwest

View of eastern retaining wall along Cayadutta Creek and repaired Site cover facing north

View of northwest corner of the Site facing north

View of western side of Site facing southwest

View of repaired animal burrow west of Cayadutta Creek

	
Repaired retaining wall, repaired animal burrows, and intact site cover at northern border of Site	**View of southwestern corner of Site showing distressed vegetation, facing intersection southwest towards intersection of S. Main St. and Hill St.**
	
View of southwestern corner of Site facing Hill St.	**Persistent animal burrow located near MW-9**
	
Persistent animal burrow located near MW-9	**View of western portion of Site facing south, showing distressed vegetation**

APPENDIX C
2023 Soil Disposal Tickets

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388745
Date: 12/13/2023 8:36 AM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-120 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2013 International Dump
License NY 35348NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	24.48 tn	$62.00	$1,517.76	$1,517.76
							$1,517.76

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	74540 lb	1	8:15 AM	25580 lb	8:36 AM	1	48960 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388746
Date: 12/13/2023 8:41 AM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-319 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2012 International Dump
License NY 76446NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	20.45 tn	$62.00	$1,267.90	$1,267.90
							$1,267.90

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	69160 lb	1	8:19 AM	28260 lb	8:41 AM	1	40900 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388764
Date: 12/13/2023 9:55 AM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-120 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2013 International Dump
License NY 35348NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	26.45 tn	$62.00	$1,639.90	$1,639.90
							$1,639.90

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	78460 lb	1	9:35 AM	25560 lb	9:55 AM	1	52900 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388766
Date: 12/13/2023 10:09 AM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-319 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2012 International Dump
License NY 76446NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	19.73 tn	$62.00	$1,223.26	$1,223.26
							$1,223.26

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	69320 lb	1	9:51 AM	29860 lb	10:09 AM	1	39460 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388775
Date: 12/13/2023 11:05 AM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-120 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2013 International Dump
License NY 35348NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	25.13 tn	$62.00	$1,558.06	$1,558.06
							$1,558.06

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	75380 lb	1	10:44 AM	25120 lb	11:04 AM	1	50260 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388781
Date: 12/13/2023 11:20 AM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-319 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2012 International Dump
License NY 76446NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	16.18 tn	$62.00	$1,003.16	$1,003.16
							$1,003.16

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	60480 lb	1	11:02 AM	28120 lb	11:20 AM	1	32360 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388796
Date: 12/13/2023 12:26 PM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-120 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2013 International Dump
License NY 35348NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	24.58 tn	$62.00	$1,523.96	$1,523.96
							$1,523.96

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	74360 lb	1	11:53 AM	25200 lb	12:26 PM	1	49160 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388802
Date: 12/13/2023 12:44 PM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-319 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2012 International Dump
License NY 76446NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	22.47 tn	$62.00	$1,393.14	$1,393.14
							$1,393.14

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	73180 lb	1	12:27 PM	28240 lb	12:43 PM	1	44940 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388816
Date: 12/13/2023 2:00 PM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-319 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2012 International Dump
License NY 76446NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	24.18 tn	$62.00	$1,499.16	$1,499.16
							$1,499.16

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	76720 lb	1	1:37 PM	28360 lb	2:00 PM	1	48360 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388817
Date: 12/13/2023 1:57 PM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-120 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2013 International Dump
License NY 35348NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	27.21 tn	$62.00	$1,687.02	$1,687.02
							$1,687.02

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	79420 lb	1	1:39 PM	25000 lb	1:57 PM	1	54420 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388828
Date: 12/13/2023 2:59 PM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 328-120 - WPNT Construction LLC
Insurance 10/4/2024
Vehicle Info 2013 International Dump
License NY 35348NA
Weighmaster: 603755 - Matthew Towne

Remarks: 321-333 South Main Street, Gloversville

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
01	Commercial	FULTON	N4300.946;W07428.496;EL1008	23.22 tn	$62.00	$1,439.64	$1,439.64
							$1,439.64

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
Commercial	71440 lb	1	2:45 PM	25000 lb	2:59 PM	1	46440 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

Fulton County Department of Solid Waste
PO Box 28
847 Mud Road
Johnstown NY, 12095

Ticket #: 388844
Date: 12/14/2023 9:14 AM
Phone: (518) 736-5501
Fax: (518) 762-2859

Customer: A007
GLOVERSVILLE, CITY OF
Dept Public Works
Gloversville NY, 12078

Order Number: 30
30 DAY INVOICING
Tons: 223.140
Loads: 24

Truck: 332-1 - Birdsall Construction and Construction LLC
Insurance 11/17/2024
Vehicle Info 1993 Freightliner Dump
License NY 42380NE
Weighmaster: 170027 - Cynthia Wesselmann

Remarks: 321-333 South Main Street, Gloversville
Inbound Operator =603755
Inbound Operator =170027

Material	Description	Location	Description	Quantity	Price	Material $	Line Total $
08	ADC-Contaminat...	FULTON	N4300.943;W07428.493;EL1010	22.75 tn	$26.00	$591.50	$591.50
							$591.50

Material	Gross	Scale	Gross Time	Tare	Tare Time	Scale	Net
ADC-Contaminated Soil	73160 lb	MAN WT	8:53 AM	27660 lb	9:14 AM	1	45500 lb

Signature: _____

Feb 19th President's Day Scale is open 7:15-11:30am NO Large Loads.

APPENDIX D

2023 Soil Waste Characterization Laboratory Report

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A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 7, 2023

Patrick Montuori
HRP Associates - NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: 321 S. Main St, Gloversville, NY
Client Job Number:
Project Number: GLO8016.GW
Laboratory Work Order Number: 23K3089

Enclosed are results of analyses for samples as received by the laboratory on November 22, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino
Project Manager

Table of Contents

Table of Contents (continued)

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

HRP Associates - NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Patrick Montuori

REPORT DATE: 12/7/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: GLO8016.GW

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23K3089

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 321 S. Main St, Gloversville, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Composite 1	23K3089-01	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	CT PH-0197/NY11742
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8151	CT PH-0197/NY11742
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
Composite 2	23K3089-02	Soil		SM 2540G	
				SW-846 1030	
				SW-846 1311	CT PH-0197/NY11742
				SW-846 6010D	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8151	CT PH-0197/NY11742
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260D

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Vinyl Chloride

23K3089-02[Composite 2], B359132-MS1

MS-14

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:

Trichloroethylene

B359132-MS1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene

23K3089-01[Composite 1], 23K3089-02[Composite 2], B359132-BLK1, B359132-BS1, B359132-BSD1, B359132-MS1, S096981-CCV1

Vinyl Chloride

23K3089-01[Composite 1], 23K3089-02[Composite 2], B359132-BLK1, B359132-BS1, B359132-BSD1, B359132-MS1, S096981-CCV1

SW-846 8270E

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Hexachloroethane

B359209-BS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Hexachlorobutadiene

B359209-BS1, B359209-BSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Pentachlorophenol

23K3089-01[Composite 1], 23K3089-02[Composite 2], B359209-BLK1, B359209-BS1, B359209-BSD1, B359209-MS1, S097072-CCV1

SW-846 9045C

Qualifications:

H-03

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

23K3089-01[Composite 1], 23K3089-02[Composite 2]

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 1 Sampled: 11/21/2023 10:00

Sample ID: 23K3089-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1221 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1232 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1242 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1248 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1254 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1260 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1262 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM
Aroclor-1268 [1]	ND	0.16	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 16:46	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.9	30-150		11/28/23 16:46
Decachlorobiphenyl [2]	93.9	30-150		11/28/23 16:46
Tetrachloro-m-xylene [1]	97.0	30-150		11/28/23 16:46
Tetrachloro-m-xylene [2]	98.3	30-150		11/28/23 16:46

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 1 Sampled: 11/21/2023 10:00

Sample ID: 23K3089-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	50.7		% Wt	1		SM 2540G	11/27/23	11/27/23 10:04	DV
Ignitability	Absent		present/absent	1		SW-846 1030	11/28/23	11/28/23 20:51	JEC
pH @19.7°C	8.2		pH Units	1	H-03	SW-846 9045C	11/28/23	11/28/23 17:21	JEC
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	11/28/23	11/29/23 11:00	EC
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	11/28/23	11/29/23 11:00	EC

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 1 Sampled: 11/21/2023 10:00

Sample ID: 23K3089-01

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
2-Butanone (MEK)	ND	0.20	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
Carbon Tetrachloride	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
Chlorobenzene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
Chloroform	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
1,4-Dichlorobenzene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
1,2-Dichloroethane	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
1,1-Dichloroethylene	ND	0.010	mg/L	1	V-05	SW-846 8260D	11/28/23	11/29/23 2:20	EEH
Tetrachloroethylene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
Trichloroethylene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:20	EEH
Vinyl Chloride	ND	0.020	mg/L	1	V-05	SW-846 8260D	11/28/23	11/29/23 2:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.1	70-130		11/29/23 2:20
Toluene-d8	102	70-130		11/29/23 2:20
4-Bromofluorobenzene	106	70-130		11/29/23 2:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 1 Sampled: 11/21/2023 10:00

Sample ID: 23K3089-01

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
Hexachlorobenzene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
Hexachlorobutadiene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
Hexachloroethane	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
2-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
3/4-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
Nitrobenzene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
Pentachlorophenol	ND	0.040	mg/L	1	V-05	SW-846 8270E	11/29/23	11/30/23 11:17	AR2
Pyridine	ND	0.020	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
2,4,5-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2
2,4,6-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:17	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	70.9	15-110		11/30/23 11:17
Phenol-d6	77.6	15-110		11/30/23 11:17
Nitrobenzene-d5	79.9	30-130		11/30/23 11:17
2-Fluorobiphenyl	69.1	30-130		11/30/23 11:17
2,4,6-Tribromophenol	65.2	15-110		11/30/23 11:17
p-Terphenyl-d14	72.4	30-130		11/30/23 11:17

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 1 Sampled: 11/21/2023 10:00

Sample ID: 23K3089-01

Sample Matrix: Soil

TCLP - Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
gamma-BHC (Lindane) [1]	ND	0.030	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:28	TG
Chlordane [1]	ND	0.20	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:28	TG
Endrin [1]	ND	0.080	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:28	TG
Heptachlor [1]	ND	0.050	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:28	TG
Heptachlor epoxide [1]	ND	0.050	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:28	TG
Methoxychlor [1]	ND	0.50	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:28	TG
Toxaphene [1]	ND	1.0	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:28	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	78.8	30-150		11/30/23 12:28	
Decachlorobiphenyl [2]	78.7	30-150		11/30/23 12:28	
Tetrachloro-m-xylene [1]	82.5	30-150		11/30/23 12:28	
Tetrachloro-m-xylene [2]	77.8	30-150		11/30/23 12:28	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 1 Sampled: 11/21/2023 10:00

Sample ID: 23K3089-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	0.62	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 11:48	ATP
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	11/29/23	11/29/23 14:46	AV
Barium	ND	0.50	mg/L	1		SW-846 6010D	11/28/23	11/29/23 11:48	ATP
Cadmium	ND	0.010	mg/L	1		SW-846 6010D	11/28/23	11/29/23 11:48	ATP
Chromium	ND	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 11:48	ATP
Lead	<0.10	0.10	mg/L	1		SW-846 6010D	11/28/23	11/29/23 11:48	ATP
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 11:48	ATP
Silver	ND	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 11:48	ATP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 1 Sampled: 11/21/2023 10:00

Sample ID: 23K3089-01

Sample Matrix: Soil

TCLP - Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached	Attached	mg/L	1		SW-846 8151	11/30/23	12/6/23 16:53	PACE

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 2 Sampled: 11/21/2023 10:05

Sample ID: 23K3089-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1260 [2]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/27/23	11/28/23 17:03	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.3	30-150		11/28/23 17:03
Decachlorobiphenyl [2]	102	30-150		11/28/23 17:03
Tetrachloro-m-xylene [1]	97.7	30-150		11/28/23 17:03
Tetrachloro-m-xylene [2]	112	30-150		11/28/23 17:03

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Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 2 Sampled: 11/21/2023 10:05

Sample ID: 23K3089-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.4		% Wt	1		SM 2540G	11/27/23	11/27/23 10:04	DV
Ignitability	Absent		present/absent	1		SW-846 1030	11/28/23	11/28/23 20:51	JEC
pH @20.5°C	8.0		pH Units	1	H-03	SW-846 9045C	11/28/23	11/28/23 17:21	JEC
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	11/28/23	11/29/23 11:00	EC
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	11/28/23	11/29/23 11:00	EC

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Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 2 Sampled: 11/21/2023 10:05

Sample ID: 23K3089-02

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
2-Butanone (MEK)	ND	0.20	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
Carbon Tetrachloride	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
Chlorobenzene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
Chloroform	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
1,4-Dichlorobenzene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
1,2-Dichloroethane	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
1,1-Dichloroethylene	ND	0.010	mg/L	1	V-05	SW-846 8260D	11/28/23	11/29/23 2:47	EEH
Tetrachloroethylene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
Trichloroethylene	ND	0.010	mg/L	1		SW-846 8260D	11/28/23	11/29/23 2:47	EEH
Vinyl Chloride	ND	0.020	mg/L	1	MS-07, V-05	SW-846 8260D	11/28/23	11/29/23 2:47	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	89.4	70-130		11/29/23 2:47	
Toluene-d8	102	70-130		11/29/23 2:47	
4-Bromofluorobenzene	107	70-130		11/29/23 2:47	

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Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 2 Sampled: 11/21/2023 10:05

Sample ID: 23K3089-02

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
Hexachlorobenzene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
Hexachlorobutadiene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
Hexachloroethane	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
2-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
3/4-Methylphenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
Nitrobenzene	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
Pentachlorophenol	ND	0.040	mg/L	1	V-05	SW-846 8270E	11/29/23	11/30/23 11:40	AR2
Pyridine	ND	0.020	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
2,4,5-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2
2,4,6-Trichlorophenol	ND	0.040	mg/L	1		SW-846 8270E	11/29/23	11/30/23 11:40	AR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	70.0	15-110		11/30/23 11:40
Phenol-d6	76.6	15-110		11/30/23 11:40
Nitrobenzene-d5	80.6	30-130		11/30/23 11:40
2-Fluorobiphenyl	71.8	30-130		11/30/23 11:40
2,4,6-Tribromophenol	65.4	15-110		11/30/23 11:40
p-Terphenyl-d14	77.5	30-130		11/30/23 11:40

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Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 2 Sampled: 11/21/2023 10:05

Sample ID: 23K3089-02

Sample Matrix: Soil

TCLP - Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
gamma-BHC (Lindane) [1]	ND	0.030	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:51	TG
Chlordane [1]	ND	0.20	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:51	TG
Endrin [1]	ND	0.080	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:51	TG
Heptachlor [1]	ND	0.050	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:51	TG
Heptachlor epoxide [1]	ND	0.050	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:51	TG
Methoxychlor [1]	ND	0.50	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:51	TG
Toxaphene [1]	ND	1.0	µg/L	1		SW-846 8081B	11/29/23	11/30/23 12:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.7	30-150		11/30/23 12:51
Decachlorobiphenyl [2]	79.2	30-150		11/30/23 12:51
Tetrachloro-m-xylene [1]	85.3	30-150		11/30/23 12:51
Tetrachloro-m-xylene [2]	78.9	30-150		11/30/23 12:51

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Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 2 Sampled: 11/21/2023 10:05

Sample ID: 23K3089-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 12:12	ATP
Mercury	ND	0.00020	mg/L	1		SW-846 7470A	11/29/23	11/29/23 14:48	AV
Barium	ND	0.50	mg/L	1		SW-846 6010D	11/28/23	11/29/23 12:12	ATP
Cadmium	ND	0.010	mg/L	1		SW-846 6010D	11/28/23	11/29/23 12:12	ATP
Chromium	ND	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 12:12	ATP
Lead	<0.10	0.10	mg/L	1		SW-846 6010D	11/28/23	11/29/23 12:12	ATP
Selenium	ND	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 12:12	ATP
Silver	ND	0.050	mg/L	1		SW-846 6010D	11/28/23	11/29/23 12:12	ATP

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Project Location: 321 S. Main St, Gloversville, NY Sample Description: Work Order: 23K3089

Date Received: 11/22/2023

Field Sample #: Composite 2 Sampled: 11/21/2023 10:05

Sample ID: 23K3089-02

Sample Matrix: Soil

TCLP - Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
See Attached Subcontracted Report	Attached	Attached	mg/L	1		SW-846 8151	11/30/23	12/6/23 17:04	PACE

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Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
23K3089-01 [Composite 1]	B359018	11/27/23
23K3089-02 [Composite 2]	B359018	11/27/23

SW-846 1030

Lab Number [Field ID]	Batch	Initial [g]	Date
23K3089-01 [Composite 1]	B359165	50.0	11/28/23
23K3089-02 [Composite 2]	B359165	50.0	11/28/23

Prep Method:SW-846 3010A **Analytical Method:SW-846 6010D** **Leachates were extracted on 11/27/2023 per SW-846 1311 in Batch B359008**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K3089-01 [Composite 1]	B359186	25.0	25.0	11/28/23
23K3089-02 [Composite 2]	B359186	25.0	25.0	11/28/23

Prep Method:SW-846 7470A Prep **Analytical Method:SW-846 7470A** **Leachates were extracted on 11/27/2023 per SW-846 1311 in Batch B359008**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K3089-01 [Composite 1]	B359243	10.0	10.0	11/29/23
23K3089-02 [Composite 2]	B359243	10.0	10.0	11/29/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8081B** **Leachates were extracted on 11/27/2023 per SW-846 1311 in Batch B359008**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K3089-01 [Composite 1]	B359208	500	5.00	11/29/23
23K3089-02 [Composite 2]	B359208	500	5.00	11/29/23

Prep Method:SW-846 3546 **Analytical Method:SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23K3089-01 [Composite 1]	B358988	10.0	10.0	11/27/23
23K3089-02 [Composite 2]	B358988	10.4	10.0	11/27/23

Prep Method:SW-846 5030B **Analytical Method:SW-846 8260D** **Leachates were extracted on 11/27/2023 per SW-846 1311 in Batch B359006**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K3089-01 [Composite 1]	B359132	5.00	5.00	11/28/23
23K3089-02 [Composite 2]	B359132	5.00	5.00	11/28/23

Prep Method:SW-846 3510C **Analytical Method:SW-846 8270E** **Leachates were extracted on 11/27/2023 per SW-846 1311 in Batch B359008**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23K3089-01 [Composite 1]	B359209	250	1.00	11/29/23
23K3089-02 [Composite 2]	B359209	250	1.00	11/29/23

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Sample Extraction Data

Prep Method:SW-846 7.3 **Analytical Method:SW-846 9014**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23K3089-01 [Composite 1]	B359062	25.2	250	11/28/23
23K3089-02 [Composite 2]	B359062	25.2	250	11/28/23

Prep Method:SW-846 7.3 **Analytical Method:SW-846 9030A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23K3089-01 [Composite 1]	B359063	25.2	250	11/28/23
23K3089-02 [Composite 2]	B359063	25.2	250	11/28/23

SW-846 9045C

Lab Number [Field ID]	Batch	Initial [g]	Date
23K3089-01 [Composite 1]	B358947	20.0	11/28/23
23K3089-02 [Composite 2]	B358947	20.0	11/28/23

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B358988 - SW-846 3546										
Blank (B358988-BLK1)				Prepared: 11/27/23 Analyzed: 11/28/23						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.198		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.202*		mg/Kg wet	0.198		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg wet	0.198		98.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg wet	0.198		101	30-150			
LCS (B358988-BS1)				Prepared: 11/27/23 Analyzed: 11/28/23						
Aroclor-1016	0.17	0.019	mg/Kg wet	0.190		89.7	40-140			
Aroclor-1016 [2C]	0.15	0.019	mg/Kg wet	0.190		81.2	40-140			
Aroclor-1260	0.17	0.019	mg/Kg wet	0.190		89.1	40-140			
Aroclor-1260 [2C]	0.15	0.019	mg/Kg wet	0.190		79.8	40-140			
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg wet	0.190		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.190		91.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.190		98.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.172*		mg/Kg wet	0.190		90.5	30-150			
LCS Dup (B358988-BSD1)				Prepared: 11/27/23 Analyzed: 11/28/23						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.196		85.0	40-140	5.47	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.196		81.6	40-140	0.571	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.196		82.0	40-140	8.25	30	
Aroclor-1260 [2C]	0.15	0.020	mg/Kg wet	0.196		78.4	40-140	1.76	30	
Surrogate: Decachlorobiphenyl	*0.173*		mg/Kg wet	0.196		88.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.196		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.196		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.176*		mg/Kg wet	0.196		89.5	30-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B358947 - SW-846 9045C										
LCS (B358947-BS1)				Prepared & Analyzed: 11/28/23						
pH	6.04		pH Units	6.00		101	90-110			
Batch B359062 - SW-846 7.3										
Blank (B359062-BLK1)				Prepared: 11/28/23 Analyzed: 11/29/23						
Reactive Cyanide	ND	0.40	mg/Kg							
LCS (B359062-BS1)				Prepared: 11/28/23 Analyzed: 11/29/23						
Reactive Cyanide	10	0.40	mg/Kg	10.0		103	81.9-116			
Batch B359063 - SW-846 7.3										
Blank (B359063-BLK1)				Prepared: 11/28/23 Analyzed: 11/29/23						
Reactive Sulfide	ND	2.0	mg/Kg							
LCS (B359063-BS1)				Prepared: 11/28/23 Analyzed: 11/29/23						
Reactive Sulfide	10	2.0	mg/Kg	10.0		100	78.9-130			

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QUALITY CONTROL

TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B359132 - SW-846 5030B											
Blank (B359132-BLK1)				Prepared & Analyzed: 11/28/23							
Benzene	ND	0.0010	mg/L								
2-Butanone (MEK)	ND	0.020	mg/L								
Carbon Tetrachloride	ND	0.0010	mg/L								
Chlorobenzene	ND	0.0010	mg/L								
Chloroform	ND	0.0010	mg/L								
1,4-Dichlorobenzene	ND	0.0010	mg/L								
1,2-Dichloroethane	ND	0.0010	mg/L								
1,1-Dichloroethylene	ND	0.0010	mg/L							V-05	
Tetrachloroethylene	ND	0.0010	mg/L								
Trichloroethylene	ND	0.0010	mg/L								
Vinyl Chloride	ND	0.0020	mg/L							V-05	
Surrogate: 1,2-Dichloroethane-d4	*0.0225*		mg/L	0.0250		89.9	70-130				
Surrogate: Toluene-d8	*0.0255*		mg/L	0.0250		102	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0264*		mg/L	0.0250		105	70-130				
LCS (B359132-BS1)				Prepared & Analyzed: 11/28/23							
Benzene	0.00949	0.0010	mg/L	0.0100		94.9	70-130				
2-Butanone (MEK)	0.0883	0.020	mg/L	0.100		88.3	40-160				†
Carbon Tetrachloride	0.0102	0.0010	mg/L	0.0100		102	70-130				
Chlorobenzene	0.0101	0.0010	mg/L	0.0100		101	70-130				
Chloroform	0.00894	0.0010	mg/L	0.0100		89.4	70-130				
1,4-Dichlorobenzene	0.00930	0.0010	mg/L	0.0100		93.0	70-130				
1,2-Dichloroethane	0.00830	0.0010	mg/L	0.0100		83.0	70-130				
1,1-Dichloroethylene	0.00712	0.0010	mg/L	0.0100		71.2	70-130			V-05	
Tetrachloroethylene	0.00972	0.0010	mg/L	0.0100		97.2	70-130				
Trichloroethylene	0.00936	0.0010	mg/L	0.0100		93.6	70-130				
Vinyl Chloride	0.00572	0.0020	mg/L	0.0100		57.2	40-160			V-05	†
Surrogate: 1,2-Dichloroethane-d4	*0.0229*		mg/L	0.0250		91.6	70-130				
Surrogate: Toluene-d8	*0.0250*		mg/L	0.0250		100	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0267*		mg/L	0.0250		107	70-130				
LCS Dup (B359132-BSD1)				Prepared & Analyzed: 11/28/23							
Benzene	0.00950	0.0010	mg/L	0.0100		95.0	70-130	0.105	25		
2-Butanone (MEK)	0.0904	0.020	mg/L	0.100		90.4	40-160	2.37	25		†
Carbon Tetrachloride	0.0104	0.0010	mg/L	0.0100		104	70-130	1.66	25		
Chlorobenzene	0.00984	0.0010	mg/L	0.0100		98.4	70-130	2.61	25		
Chloroform	0.00880	0.0010	mg/L	0.0100		88.0	70-130	1.58	25		
1,4-Dichlorobenzene	0.00927	0.0010	mg/L	0.0100		92.7	70-130	0.323	25		
1,2-Dichloroethane	0.00849	0.0010	mg/L	0.0100		84.9	70-130	2.26	25		
1,1-Dichloroethylene	0.00706	0.0010	mg/L	0.0100		70.6	70-130	0.846	25	V-05	
Tetrachloroethylene	0.00938	0.0010	mg/L	0.0100		93.8	70-130	3.56	25		
Trichloroethylene	0.00918	0.0010	mg/L	0.0100		91.8	70-130	1.94	25		
Vinyl Chloride	0.00490	0.0020	mg/L	0.0100		49.0	40-160	15.4	25	V-05	†
Surrogate: 1,2-Dichloroethane-d4	*0.0234*		mg/L	0.0250		93.5	70-130				
Surrogate: Toluene-d8	*0.0256*		mg/L	0.0250		103	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0265*		mg/L	0.0250		106	70-130				

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QUALITY CONTROL

TCLP - Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B359132 - SW-846 5030B											
Matrix Spike (B359132-MS1)		**Source: 23K3089-02**		Prepared: 11/28/23 Analyzed: 11/29/23							
Benzene	0.0951	0.010	mg/L	0.100	ND	95.1		70-130			
2-Butanone (MEK)	0.811	0.20	mg/L	1.00	0.0404	77.1		70-130			
Carbon Tetrachloride	0.106	0.010	mg/L	0.100	ND	106		70-130			
Chlorobenzene	0.101	0.010	mg/L	0.100	ND	101		70-130			
Chloroform	0.0904	0.010	mg/L	0.100	ND	90.4		70-130			
1,4-Dichlorobenzene	0.0913	0.010	mg/L	0.100	ND	91.3		70-130			
1,2-Dichloroethane	0.0823	0.010	mg/L	0.100	ND	82.3		70-130			
1,1-Dichloroethylene	0.0741	0.010	mg/L	0.100	ND	74.1		70-130			V-05
Tetrachloroethylene	0.0970	0.010	mg/L	0.100	ND	97.0		70-130			
Trichloroethylene	0.135	0.010	mg/L	0.100	ND	**135**	*	70-130			MS-14
Vinyl Chloride	0.0395	0.020	mg/L	0.100	ND	**39.5**	*	70-130			MS-07, V-05
Surrogate: 1,2-Dichloroethane-d4	*0.0230*		mg/L	0.0250		91.9		70-130			
Surrogate: Toluene-d8	*0.0253*		mg/L	0.0250		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0272*		mg/L	0.0250		109		70-130			

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QUALITY CONTROL

TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B359209 - SW-846 3510C													
Blank (B359209-BLK1)				Prepared: 11/29/23 Analyzed: 11/30/23									
2,4-Dinitrotoluene	ND	0.040	mg/L										
Hexachlorobenzene	ND	0.040	mg/L										
Hexachlorobutadiene	ND	0.040	mg/L										
Hexachloroethane	ND	0.040	mg/L										
2-Methylphenol	ND	0.040	mg/L										
3/4-Methylphenol	ND	0.040	mg/L										
Nitrobenzene	ND	0.040	mg/L										
Pentachlorophenol	ND	0.040	mg/L									V-05	
Pyridine	ND	0.020	mg/L										
2,4,5-Trichlorophenol	ND	0.040	mg/L										
2,4,6-Trichlorophenol	ND	0.040	mg/L										
Surrogate: 2-Fluorophenol	*0.497*		mg/L	0.800		62.1		15-110					
Surrogate: Phenol-d6	*0.520*		mg/L	0.800		65.0		15-110					
Surrogate: Nitrobenzene-d5	*0.291*		mg/L	0.400		72.9		30-130					
Surrogate: 2-Fluorobiphenyl	*0.267*		mg/L	0.400		66.7		30-130					
Surrogate: 2,4,6-Tribromophenol	*0.490*		mg/L	0.800		61.3		15-110					
Surrogate: p-Terphenyl-d14	*0.300*		mg/L	0.400		75.0		30-130					
LCS (B359209-BS1)				Prepared: 11/29/23 Analyzed: 11/30/23									
2,4-Dinitrotoluene	0.0371	0.010	mg/L	0.0500		74.2		40-140					
Hexachlorobenzene	0.0285	0.010	mg/L	0.0500		56.9		40-140					
Hexachlorobutadiene	0.0206	0.010	mg/L	0.0500		41.2		40-140				R-05	
Hexachloroethane	0.0182	0.010	mg/L	0.0500		**36.4**	*	40-140				L-07	
2-Methylphenol	0.0320	0.010	mg/L	0.0500		63.9		30-130					
3/4-Methylphenol	0.0338	0.010	mg/L	0.0500		67.7		30-130					
Nitrobenzene	0.0352	0.010	mg/L	0.0500		70.4		40-140					
Pentachlorophenol	0.0264	0.010	mg/L	0.0500		52.8		30-130				V-05	
Pyridine	0.0159	0.0050	mg/L	0.0500		31.8		10-140					†
2,4,5-Trichlorophenol	0.0353	0.010	mg/L	0.0500		70.6		30-130					
2,4,6-Trichlorophenol	0.0337	0.010	mg/L	0.0500		67.4		30-130					
Surrogate: 2-Fluorophenol	*0.0963*		mg/L	0.200		48.2		15-110					
Surrogate: Phenol-d6	*0.0768*		mg/L	0.200		38.4		15-110					
Surrogate: Nitrobenzene-d5	*0.0758*		mg/L	0.100		75.8		30-130					
Surrogate: 2-Fluorobiphenyl	*0.0655*		mg/L	0.100		65.5		30-130					
Surrogate: 2,4,6-Tribromophenol	*0.125*		mg/L	0.200		62.5		15-110					
Surrogate: p-Terphenyl-d14	*0.0659*		mg/L	0.100		65.9		30-130					
LCS Dup (B359209-BSD1)				Prepared: 11/29/23 Analyzed: 11/30/23									
2,4-Dinitrotoluene	0.0375	0.010	mg/L	0.0500		75.0		40-140	1.05		20		
Hexachlorobenzene	0.0312	0.010	mg/L	0.0500		62.4		40-140	9.18		20		
Hexachlorobutadiene	0.0262	0.010	mg/L	0.0500		52.5		40-140	**24.0**	*	20	R-05	
Hexachloroethane	0.0234	0.010	mg/L	0.0500		46.8		40-140	25.1		50		‡
2-Methylphenol	0.0298	0.010	mg/L	0.0500		59.5		30-130	7.06		20		
3/4-Methylphenol	0.0315	0.010	mg/L	0.0500		63.0		30-130	7.19		20		
Nitrobenzene	0.0362	0.010	mg/L	0.0500		72.4		40-140	2.80		20		
Pentachlorophenol	0.0296	0.010	mg/L	0.0500		59.1		30-130	11.3		50	V-05	‡
Pyridine	0.0190	0.0050	mg/L	0.0500		37.9		10-140	17.5		50		† ‡
2,4,5-Trichlorophenol	0.0360	0.010	mg/L	0.0500		71.9		30-130	1.91		20		
2,4,6-Trichlorophenol	0.0349	0.010	mg/L	0.0500		69.8		30-130	3.41		50		‡
Surrogate: 2-Fluorophenol	*0.0954*		mg/L	0.200		47.7		15-110					
Surrogate: Phenol-d6	*0.0706*		mg/L	0.200		35.3		15-110					
Surrogate: Nitrobenzene-d5	*0.0758*		mg/L	0.100		75.8		30-130					

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QUALITY CONTROL

TCLP - Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B359209 - SW-846 3510C										
LCS Dup (B359209-BSD1)				Prepared: 11/29/23 Analyzed: 11/30/23						
Surrogate: 2-Fluorobiphenyl	*0.0690*		mg/L	0.100		69.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*0.135*		mg/L	0.200		67.7	15-110			
Surrogate: p-Terphenyl-d14	*0.0706*		mg/L	0.100		70.6	30-130			
Matrix Spike (B359209-MS1)	**Source: 23K3089-02**			Prepared: 11/29/23 Analyzed: 11/30/23						
2,4-Dinitrotoluene	0.157	0.040	mg/L	0.200	ND	78.4	40-140			
Hexachlorobenzene	0.129	0.040	mg/L	0.200	ND	64.7	40-140			
Hexachlorobutadiene	0.126	0.040	mg/L	0.200	ND	63.0	40-140			
Hexachloroethane	0.113	0.040	mg/L	0.200	ND	56.5	40-140			
2-Methylphenol	0.145	0.040	mg/L	0.200	ND	72.5	40-140			
3/4-Methylphenol	0.161	0.040	mg/L	0.200	ND	80.7	40-140			
Nitrobenzene	0.148	0.040	mg/L	0.200	ND	74.2	40-140			
Pentachlorophenol	0.119	0.040	mg/L	0.200	ND	59.6	40-140			V-05
Pyridine	0.101	0.020	mg/L	0.200	ND	50.5	40-140			
2,4,5-Trichlorophenol	0.150	0.040	mg/L	0.200	ND	75.1	40-140			
2,4,6-Trichlorophenol	0.140	0.040	mg/L	0.200	ND	69.8	40-140			
Surrogate: 2-Fluorophenol	*0.530*		mg/L	0.800		66.2	15-110			
Surrogate: Phenol-d6	*0.593*		mg/L	0.800		74.1	15-110			
Surrogate: Nitrobenzene-d5	*0.295*		mg/L	0.400		73.7	30-130			
Surrogate: 2-Fluorobiphenyl	*0.276*		mg/L	0.400		69.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*0.546*		mg/L	0.800		68.2	15-110			
Surrogate: p-Terphenyl-d14	*0.289*		mg/L	0.400		72.3	30-130			

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QUALITY CONTROL

TCLP - Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B359208 - SW-846 3510C										
Blank (B359208-BLK1)				Prepared: 11/29/23 Analyzed: 11/30/23						
gamma-BHC (Lindane)	ND	0.030	µg/L							
gamma-BHC (Lindane) [2C]	ND	0.030	µg/L							
Chlordane	ND	0.20	µg/L							
Chlordane [2C]	ND	0.20	µg/L							
Endrin	ND	0.080	µg/L							
Endrin [2C]	ND	0.080	µg/L							
Heptachlor	ND	0.050	µg/L							
Heptachlor [2C]	ND	0.050	µg/L							
Heptachlor Epoxide	ND	0.050	µg/L							
Heptachlor Epoxide [2C]	ND	0.050	µg/L							
Methoxychlor	ND	0.50	µg/L							
Methoxychlor [2C]	ND	0.50	µg/L							
Toxaphene	ND	1.0	µg/L							
Toxaphene [2C]	ND	1.0	µg/L							
Surrogate: Decachlorobiphenyl	*1.64*		µg/L	2.00		82.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.51*		µg/L	2.00		75.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.78*		µg/L	2.00		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.59*		µg/L	2.00		79.4	30-150			
LCS (B359208-BS1)				Prepared: 11/29/23 Analyzed: 11/30/23						
gamma-BHC (Lindane)	0.86	0.030	µg/L	1.00		86.0	40-140			
gamma-BHC (Lindane) [2C]	0.85	0.030	µg/L	1.00		84.9	40-140			
Endrin	0.88	0.080	µg/L	1.00		88.4	40-140			
Endrin [2C]	0.89	0.080	µg/L	1.00		89.3	40-140			
Heptachlor	0.87	0.050	µg/L	1.00		86.6	40-140			
Heptachlor [2C]	0.86	0.050	µg/L	1.00		86.3	40-140			
Heptachlor Epoxide	0.87	0.050	µg/L	1.00		87.2	40-140			
Heptachlor Epoxide [2C]	0.87	0.050	µg/L	1.00		87.2	40-140			
Methoxychlor	0.81	0.50	µg/L	1.00		80.8	40-140			
Methoxychlor [2C]	0.85	0.50	µg/L	1.00		84.7	40-140			
Surrogate: Decachlorobiphenyl	*1.47*		µg/L	2.00		73.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.46*		µg/L	2.00		72.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.59*		µg/L	2.00		79.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.49*		µg/L	2.00		74.4	30-150			
LCS Dup (B359208-BSD1)				Prepared: 11/29/23 Analyzed: 11/30/23						
gamma-BHC (Lindane)	0.88	0.030	µg/L	1.00		87.5	40-140	1.77	20	
gamma-BHC (Lindane) [2C]	0.85	0.030	µg/L	1.00		85.3	40-140	0.457	20	
Endrin	0.86	0.080	µg/L	1.00		86.3	40-140	2.43	20	
Endrin [2C]	0.87	0.080	µg/L	1.00		86.7	40-140	2.86	20	
Heptachlor	0.85	0.050	µg/L	1.00		85.4	40-140	1.38	20	
Heptachlor [2C]	0.83	0.050	µg/L	1.00		83.4	40-140	3.39	20	
Heptachlor Epoxide	0.86	0.050	µg/L	1.00		86.1	40-140	1.28	20	
Heptachlor Epoxide [2C]	0.85	0.050	µg/L	1.00		85.2	40-140	2.28	20	
Methoxychlor	0.79	0.50	µg/L	1.00		78.6	40-140	2.73	20	
Methoxychlor [2C]	0.82	0.50	µg/L	1.00		82.0	40-140	3.23	20	
Surrogate: Decachlorobiphenyl	*1.46*		µg/L	2.00		73.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.45*		µg/L	2.00		72.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.60*		µg/L	2.00		80.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.47*		µg/L	2.00		73.5	30-150			

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QUALITY CONTROL

TCLP - Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B359208 - SW-846 3510C										
Matrix Spike (B359208-MS1)	**Source: 23K3089-01**			Prepared: 11/29/23 Analyzed: 11/30/23						
gamma-BHC (Lindane)	0.90	0.030	µg/L	1.00	ND	90.0	30-150			
gamma-BHC (Lindane) [2C]	0.90	0.030	µg/L	1.00	ND	90.3	30-150			
Endrin	0.94	0.080	µg/L	1.00	ND	93.5	30-150			
Endrin [2C]	0.93	0.080	µg/L	1.00	ND	93.5	30-150			
Heptachlor	0.93	0.050	µg/L	1.00	ND	93.4	30-150			
Heptachlor [2C]	0.92	0.050	µg/L	1.00	ND	92.2	30-150			
Heptachlor Epoxide	0.92	0.050	µg/L	1.00	ND	92.0	30-150			
Heptachlor Epoxide [2C]	0.91	0.050	µg/L	1.00	ND	91.1	30-150			
Methoxychlor	0.88	0.50	µg/L	1.00	ND	87.5	30-150			
Methoxychlor [2C]	0.90	0.50	µg/L	1.00	ND	89.9	30-150			
Surrogate: Decachlorobiphenyl	*1.59*		µg/L	2.00		79.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.58*		µg/L	2.00		79.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.66*		µg/L	2.00		83.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.55*		µg/L	2.00		77.7	30-150			

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QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B359186 - SW-846 3010A										
Blank (B359186-BLK1)				Prepared: 11/28/23 Analyzed: 11/29/23						
Arsenic	ND	0.050	mg/L							
Barium	ND	0.50	mg/L							
Cadmium	ND	0.010	mg/L							
Chromium	ND	0.050	mg/L							
Lead	ND	0.10	mg/L							
Selenium	ND	0.050	mg/L							
Silver	ND	0.050	mg/L							
LCS (B359186-BS1)				Prepared: 11/28/23 Analyzed: 11/29/23						
Arsenic	0.525	0.050	mg/L	0.500		105	80-120			
Barium	0.539	0.50	mg/L	0.500		108	80-120			
Cadmium	0.547	0.010	mg/L	0.500		109	80-120			
Chromium	0.523	0.050	mg/L	0.500		105	80-120			
Lead	0.513	0.10	mg/L	0.500		103	80-120			
Selenium	0.582	0.050	mg/L	0.500		116	80-120			
Silver	0.565	0.050	mg/L	0.500		113	80-120			
LCS Dup (B359186-BSD1)				Prepared: 11/28/23 Analyzed: 11/29/23						
Arsenic	0.529	0.050	mg/L	0.500		106	80-120	0.898	20	
Barium	0.541	0.50	mg/L	0.500		108	80-120	0.282	20	
Cadmium	0.550	0.010	mg/L	0.500		110	80-120	0.546	20	
Chromium	0.528	0.050	mg/L	0.500		106	80-120	0.921	35	
Lead	0.513	0.10	mg/L	0.500		103	80-120	0.0693	20	
Selenium	0.590	0.050	mg/L	0.500		118	80-120	1.37	20	
Silver	0.564	0.050	mg/L	0.500		113	80-120	0.0487	20	
Batch B359243 - SW-846 7470A Prep										
Blank (B359243-BLK1)				Prepared & Analyzed: 11/29/23						
Mercury	ND	0.00020	mg/L							
LCS (B359243-BS1)				Prepared & Analyzed: 11/29/23						
Mercury	0.00421	0.00020	mg/L	0.00402		105	80-120			
LCS Dup (B359243-BSD1)				Prepared & Analyzed: 11/29/23						
Mercury	0.00424	0.00020	mg/L	0.00402		105	80-120	0.608	20	

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BREAKDOWN REPORT

Lab Sample ID:	S097082-PEM1	Analyzed:	11/29/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	1.05
Endrin [1]	1.96

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.42
Endrin [2]	2.18

BREAKDOWN REPORT

Lab Sample ID:	S097082-PEM2	Analyzed:	11/30/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	1.13
Endrin [1]	2.01

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.58
Endrin [2]	2.29

BREAKDOWN REPORT

Lab Sample ID:	S097082-PEM3	Analyzed:	11/30/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	4.40
Endrin [1]	7.70

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BREAKDOWN REPORT

Lab Sample ID:	S097082-PEM3	Analyzed:	11/30/2023

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	5.13
Endrin [2]	7.81

BREAKDOWN REPORT

Lab Sample ID:	S097082-PEM4	Analyzed:	11/30/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	6.14
Endrin [1]	4.18

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	7.20
Endrin [2]	4.33

BREAKDOWN REPORT

Lab Sample ID:	S097082-PEM5	Analyzed:	11/30/2023

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	11.71
Endrin [1]	8.56

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	13.24
Endrin [2]	8.93

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B358988-BS1 Date(s) Analyzed: 11/28/2023 11/28/2023

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.15	12.5
Aroclor-1260	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.15	12.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B358988-BSD1 Date(s) Analyzed: 11/28/2023 11/28/2023

Instrument ID (1): ECD4 Instrument ID (2): ECD4

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.16	6.1
Aroclor-1260	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.15	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B359208-BS1 Date(s) Analyzed: 11/30/2023 11/30/2023

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	7.179	0.000	0.000	0.88	
	2	7.141	0.000	0.000	0.89	1.1
gamma-BHC (Lindane)	1	5.617	0.000	0.000	0.86	
	2	5.569	0.000	0.000	0.85	1.2
Heptachlor	1	5.925	0.000	0.000	0.87	
	2	5.845	0.000	0.000	0.86	1.2
Heptachlor Epoxide	1	6.548	0.000	0.000	0.87	
	2	6.444	0.000	0.000	0.87	0.0
Methoxychlor	1	7.835	0.000	0.000	0.81	
	2	8.030	0.000	0.000	0.85	4.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B359208-BSD1 Date(s) Analyzed: 11/30/2023 11/30/2023

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	7.180	0.000	0.000	0.86	
	2	7.142	0.000	0.000	0.87	1.2
gamma-BHC (Lindane)	1	5.618	0.000	0.000	0.88	
	2	5.570	0.000	0.000	0.85	3.5
Heptachlor	1	5.926	0.000	0.000	0.85	
	2	5.845	0.000	0.000	0.83	2.4
Heptachlor Epoxide	1	6.549	0.000	0.000	0.86	
	2	6.445	0.000	0.000	0.85	1.2
Methoxychlor	1	7.836	0.000	0.000	0.79	
	2	8.031	0.000	0.000	0.82	3.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike

Lab Sample ID: B359208-MS1 Date(s) Analyzed: 11/30/2023 11/30/2023

Instrument ID (1): ECD2 Instrument ID (2): ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	7.176	0.000	0.000	0.94	
	2	7.138	0.000	0.000	0.93	1.1
gamma-BHC (Lindane)	1	5.612	0.000	0.000	0.90	
	2	5.565	0.000	0.000	0.90	0.0
Heptachlor	1	5.920	0.000	0.000	0.93	
	2	5.840	0.000	0.000	0.92	1.1
Heptachlor Epoxide	1	6.544	0.000	0.000	0.92	
	2	6.440	0.000	0.000	0.91	1.1
Methoxychlor	1	7.831	0.000	0.000	0.88	
	2	8.028	0.000	0.000	0.90	2.3

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-03	Sample received after recommended holding time was exceeded.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-14	Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 1030 in Soil	
Ignitability	NY,NH,CT,NC,ME,VA
SW-846 6010D in Soil	
Arsenic	NY,CT,NC,ME,NH,VA
Barium	NY,CT,ME,NC,NH,VA
Cadmium	NY,CT,ME,NC,NH,VA
Chromium	NY,CT,NH,NC,ME,VA
Lead	NY,CT,ME,NC,NH,VA
Selenium	NY,CT,NH,ME,VA,NC
Silver	NY,CT,NH,ME,VA,NC
SW-846 6010D in Water	
Arsenic	NY,CT,NC,ME,NH,VA
Barium	NY,CT,ME,NC,NH,VA
Cadmium	NY,CT,ME,NC,NH,VA
Chromium	NY,CT,ME,NC,NH,VA
Lead	NY,CT,ME,NC,NH,VA
Selenium	CT,ME,NH,NY,VA,NC
Silver	CT,ME,NH,NY,VA,NC
SW-846 7470A in Water	
Mercury	CT,ME,NC,NH,NY,VA
SW-846 8081B in Water	
gamma-BHC (Lindane)	CT,ME,NH,NY,VA,NC
gamma-BHC (Lindane) [2C]	CT,ME,NH,NY,VA,NC
Chlordane	CT,ME,NH,NY,VA,NC
Chlordane [2C]	CT,ME,NH,NY,VA,NC
Endrin	CT,ME,NH,NY,VA,NC
Endrin [2C]	CT,ME,NH,NY,VA,NC
Heptachlor	CT,ME,NH,NY,VA,NC
Heptachlor [2C]	CT,ME,NH,NY,VA,NC
Heptachlor Epoxide	CT,ME,NH,NY,VA,NC
Heptachlor Epoxide [2C]	CT,ME,NH,NY,VA,NC
Hexachlorobenzene	NC
Methoxychlor	CT,ME,NH,NY,VA,NC
Methoxychlor [2C]	CT,ME,NH,NY,VA,NC
Toxaphene	CT,ME,NH,NY,VA,NC
Toxaphene [2C]	CT,ME,NH,NY,VA,NC
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8270E in Water	
1,4-Dichlorobenzene	ME,NC,NH,NY,VA
2,4-Dinitrotoluene	ME,NC,NH,CT,NY,VA
Hexachlorobenzene	ME,NC,NH,CT,NY,VA
Hexachlorobutadiene	ME,NC,NH,CT,NY,VA
Hexachloroethane	ME,NC,NH,CT,NY,VA
2-Methylphenol	ME,NC,NH,CT
3/4-Methylphenol	ME,NC,NH,CT
Nitrobenzene	ME,NC,NH,CT,NY,VA
Pentachlorophenol	ME,NC,NH,CT,NY,VA
Pyridine	ME,NC,NH,CT,NY,VA
2,4,5-Trichlorophenol	ME,NC,NH,CT,NY,VA
2,4,6-Trichlorophenol	ME,NC,NH,CT,NY,VA
2-Fluorophenol	NC

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NC	North Carolina Div. of Water Quality	652	12/31/2023
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024

Pace Analytical®

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Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

23K3089

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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

Company Name:	HRP Associates
Address:	Fairchild Sq Clifton Park NY
Phone:	518-877-710
Project Name:	Independent Leather
Project Location:	321 Main St. Gloversville NY
Project Number:	G0801(a.(b)
Project Manager:	Patrick.Montuori@hrpassociates.com
Pace Analytical Quote Name/Number	
Invoice Recipient:	Patrick Montuori (Non-NYSDEC)
Sampled By:	SD

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Fastest TAT

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: ~~EQuIS~~ SO
CLP Like Data Pkg Required: ☐
Email To: same as project mgr
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	Corrosivity	Reactivity	Ignitability	Total PCBs [3]	RCRA 8 Metals TCLP	VOCs TCLP	SVOCs TCLP	TCLP Pesticides	TCLP Herbicides	# of Containers	[2] Preservation Code	[3] Container Code
1	Composite 1	11/21	10:00	/		SOL		/	/	/	/	/	/	/	/	/	3	I	G
2	Composite 2	11/21	10:05	/		SOL		/	/	/	/	/	/	/	/	/	3	I	G

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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

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

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) Encore 25g

Comments: 6-8oz glass jars & 2 25g encore samplers in total.
TAT as soon as possible

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

Relinquished by: (signature)	Date/Time: 11/22/23 10:10
Received by: (signature)	Date/Time: 11-22-23 1010
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 11/22/23 1430
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

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

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non-Soxhlet

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client HRP

Project Independent Leather

MCP/RCP Required no

Deliverable Package Requirement no

Location NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LA 11/22/23 1430

Back-Sheet By / Date / Time GA 11/22/23 1545

Temperature Method gun # 5

Temp < 6° C Actual Temperature 2.3

Rush Samples: (Yes) / No Notify Teams

Short Hold: (Yes) / No Notify Teams

Notes regarding Samples/COC outside of SOP:

Client only put Fastest TAT, logged in as 4 day due to TCLP analysis.

did not receive encores

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Sample				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16oz Amb/Clear	(Circle Amb/Clear)	Soils Jars																					
8oz Amb/Clear					4																		
4oz Amb/Clear																							
2oz Amb/Clear																							
Unpreserved	1 Liter	Ambers																					
HCL																							
Sulfuric																							
Sulfuric	250mL																						
Phosphoric																							
HCl																							
Unpreserved	100mL																						
Unpreserved	1 Liter	Plastics																					
Sulfuric																							
Unpreserved	500mL																						
Sulfuric																							
Unpreserved	250mL																						
Trizma																							
Sulfuric																							
Nitric																							
NaOH																							
Ammonium Acetate																							
NaOH/Zinc																							
Unpreserved	VOA Vials																						
HCl																							
MeOH																							
D.I. Water																							
BiSulfate																							
Col/Bact	Other / Fill in																						

Qualtrax ID: 120836

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 1

23K3089

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

Company Name:	HEP Associates
Address:	1 Fairchild Sq Clifton Park NY
Phone:	518-877-7101
Project Name:	Independent Leather
Project Location:	321 S Main St. Gloversville NY
Project Number:	GL080160.GW
Project Manager:	Patrick.Montuori@hpassociates.com
Pace Analytical Quote Name/Number	
Invoice Recipient:	Patrick Montuori (Non-NYSDEC)
Sampled By:	SD

Requested Turnaround Time

7-Day ☐ 10-Day ☐
Due Date: Fastest TAT

Rush-Approval Required

1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery

Format: PDF ☒ EXCEL ☒
Other: ~~EQuIS~~
CLP Like Data Pkg Required: ☐
Email To: Same as project manager
Fax To #:

ANALYSIS REQUESTED

	Corrosivity	Reactivity	Ignitability	Total PCBs	RCRA 8 Metals TCLP	VOCs TCLP	SVOCs TCLP	TCLP Pesticides	TCLP Herbicides
# of Containers	3	–					1	–	
Preservation Code	I	–			–		I		
Container Code	G	–					O		

Dissolved Metals Samples: ☐ Field Filtered ☐ Lab to Filter

Orthophosphate Samples: ☐ Field Filtered ☐ Lab to Filter

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code[1]	Conc Code	Corrosivity	Reactivity	Ignitability	Total PCBs	RCRA 8 Metals TCLP	VOCs TCLP	SVOCs TCLP	TCLP Pesticides	TCLP Herbicides
1	Composite 1	11/21	10:00	✓		SOL		✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Composite 2	11/21	10:05	✓		SOL		✓	✓	✓	✓	✓	✓	✓	✓	✓

Comments: 6-8oz glass jars + 2 25g encore samplers in total.
TAT as soon as possible

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

	Date/Time:
Relinquished by: (signature) [signature]	11/22/23 10:10
Received by: (signature) [signature]	11-22-23 1010
Relinquished by: (signature)	
Received by: (signature) [signature] 2.3	11/22/23 1430
Relinquished by: (signature)	
Received by: (signature)	

Program & Regulatory Information

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

Deliverables

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

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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

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

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define) Encore 25g

ANALYTICAL REPORT

December 07, 2023

Pace Analytical - New England

Sample Delivery Group:	L1682314
Samples Received:	11/29/2023
Project Number:	23K3089
Description:	23K3089

Report To: Theresa Ferrentino
39 Spruce St
East Longmeadow, MA 01028

Entire Report Reviewed By:

Naomi M Sackett
Project Manager

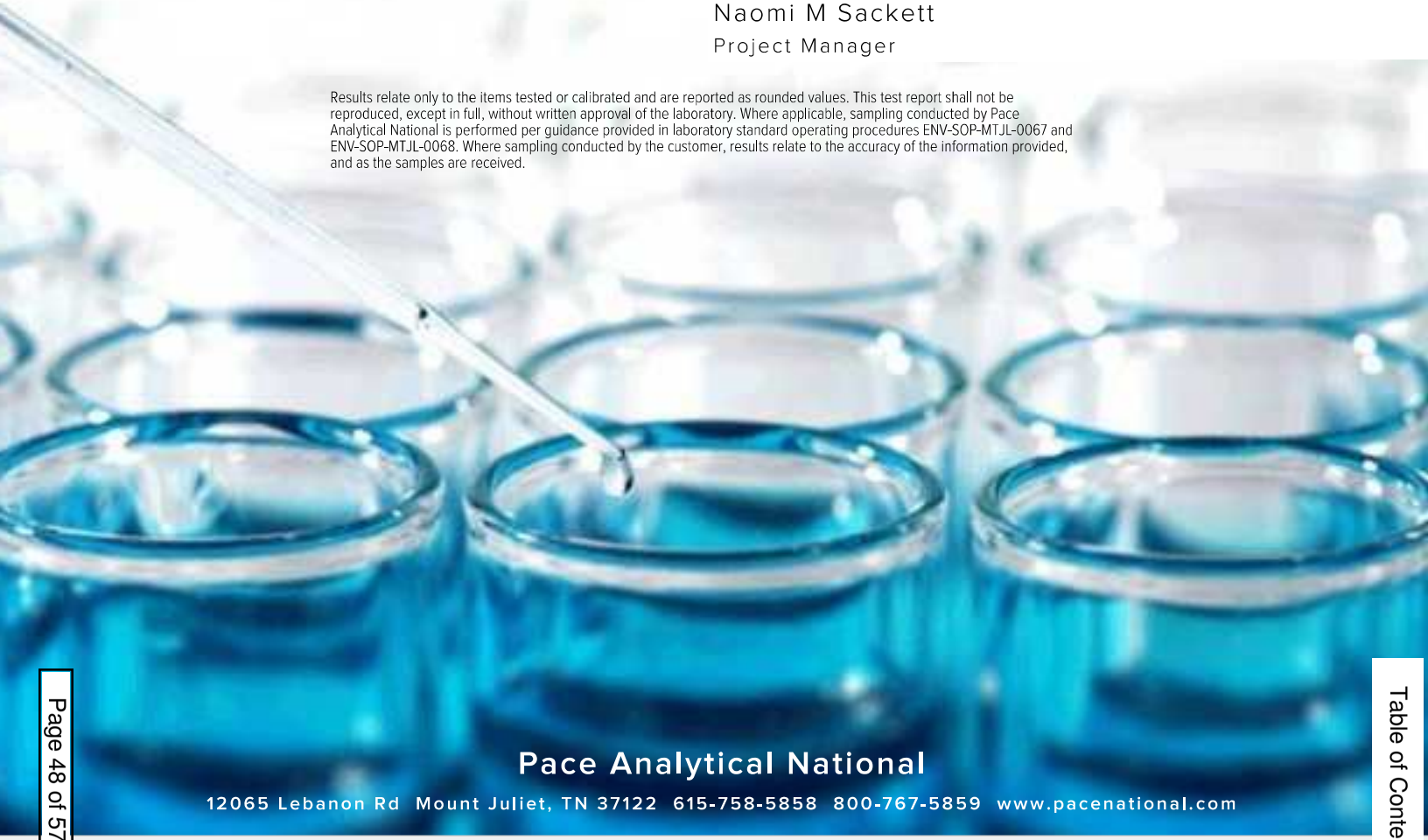

TABLE OF CONTENTS

23K3089-01 COMPOSITE 1 L1682314-01 Waste

Collected by	Collected date/time	Received date/time
	11/21/23 10:00	11/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2179421	1	11/30/23 07:03	11/30/23 07:03	WC	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2181084	1	12/01/23 14:12	12/06/23 16:53	HLA	Mt. Juliet, TN

23K3089-01 COMPOSITE 2 L1682314-02 Waste

Collected by	Collected date/time	Received date/time
	11/21/23 10:05	11/29/23 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2179421	1	11/30/23 07:03	11/30/23 07:03	WC	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2181084	1	12/01/23 14:12	12/06/23 17:04	HLA	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Naomi M Sackett
Project Manager

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/30/2023 7:03:24 AM	WG2179421
Initial pH	8.51		11/30/2023 7:03:24 AM	WG2179421
Final pH	5.51		11/30/2023 7:03:24 AM	WG2179421

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
2,4,5-TP (Silvex)	ND		0.00200		1	12/06/2023 16:53	WG2181084
2,4-D	ND		0.00200		1	12/06/2023 16:53	WG2181084
(S) 2,4-Dichlorophenyl Acetic Acid	*84.0*		*14.0-158*			*12/06/2023 16:53*	WG2181084

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		11/30/2023 7:03:24 AM	WG2179421
Initial pH	7.71		11/30/2023 7:03:24 AM	WG2179421
Final pH	5.79		11/30/2023 7:03:24 AM	WG2179421

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
2,4,5-TP (Silvex)	ND		0.00200		1	12/06/2023 17:04	WG2181084
2,4-D	ND		0.00200		1	12/06/2023 17:04	WG2181084
(S) 2,4-Dichlorophenyl Acetic Acid	*82.8*		*14.0-158*			*12/06/2023 17:04*	WG2181084

Method Blank (MB)

(MB) R4008705-1 12/06/23 08:11

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
2,4,5-TP (Silvex)	U		0.000667	0.00200
2,4-D	U		0.000667	0.00200
(S) 2,4-Dichlorophenyl Acetic Acid	*82.0*			*14.0-158*

Laboratory Control Sample (LCS)

(LCS) R4008705-2 12/06/23 08:23

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4,5-TP (Silvex)	0.0500	0.0523	105	50.0-125	E
2,4-D	0.0500	0.0536	107	50.0-120	E
(S) 2,4-Dichlorophenyl Acetic Acid			*85.4*	*14.0-158*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

SUBCONTRACT CHAIN OF CUSTODY

Pace New England

D022

23K3089

SENDING LABORATORY:

Pace New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Theresa L. Ferrentino

RECEIVING LABORATORY:

Pace National - TN
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone :(615) 758-5858
Fax: -

Analysis	Sample Name	Due		Expires	Comments
Sample ID: 23K3089-01	**Composite 1**	**Soil**	**Sampled:**	**11/21/23 10:00**	L168314
S-8321 TCLP		12/05/23 14:00		12/05/23 10:00	
S-1311 TCLP EXT		12/05/23 14:00		12/05/23 10:00	-01
Containers Supplied:					
8 oz clear glass (C)					
Sample ID: 23K3089-02	**Composite 2**	**Soil**	**Sampled:**	**11/21/23 10:05**	
S-8321 TCLP		12/05/23 14:00		12/05/23 10:05	-02
S-1311 TCLP EXT		12/05/23 14:00		12/05/23 10:05	
Containers Supplied:					
8 oz clear glass (C)					

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres. Correct/Check:	Y N
Correct bottles used:	Y N	cc# 1.3+0=4.3	
Sufficient volume sent:	Y N		
RA Screen <0.5 mR/hr:	Y N		

Released By	Date	Received By	Date
	11-22-23 17:00		11/29/23
Released By	Date	Received By	Date

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APPENDIX E

2023 Imported Stone and Topsoil Documentation

Carver SAND & GRAVEL

4746 State Rt. 29
Johnstown, NY 12095
518-736-9819

Ticket No.: **93024**

Date : 11/6/2023 Time: 2:45:44PM
Location : **Johnstown Quarry**
Customer : 1234 Miscellaneous Customer
Order : 001332000 FOB Crushed #2 Stone
P.O. :
Product : 1082 #2 Crushed Stone **19.68** Ton

	Pounds	Tons	Metric
Gross	65860	32.93	29.87
Tare	26500	13.25	12.02
Net	39360	19.68	17.85

Veh Last Tare Date 11/6/2023 12:00:0

Price		21.00	413.28
Freight		0.00	0.00
Tax	17	0.00	33.06
Total:			446.34
Today:	19.68	Loads:	1

Carrier :
Vehicle : BIRDSALL birdsall red
Received :

Weighmaster: JWS Ticket System

COPY 3 FILE

Carver SAND & GRAVEL

4746 State Rt. 29
Johnstown, NY 12095
518-736-9819

Ticket No.: **93084**

Date : 11/7/2023 Time: 12:32:20PM
Location : **Johnstown Quarry**
Customer : 1234 Miscellaneous Customer
Order : 001332000 FOB Crushed #2 Stone
P.O. :
Product : 1082 #2 Crushed Stone **19.41** Ton

	Pounds	Tons	Metric
Gross	65320	32.66	29.63
Tare	26500 *	13.25 *	12.02 *
Net	38820	19.41	17.61

* P. T.

Veh Last Tare Date 11/6/2023 12:00:0

Price		21.00	407.61
Freight		0.00	0.00
Tax	17	0.00	32.61
Total:			440.22
Today:	19.41	Loads:	1

Carrier :
Vehicle : BIRDSALL birdsall red
Received :

Weighmaster: JWS Ticket System

COPY 3 FILE

Carver SAND & GRAVEL

4746 State Rt. 29
Johnstown, NY 12095
518-736-9819

Ticket No.: **93313**

Date : 11/13/2023 Time: 10:03:31AM
Location : **Johnstown Quarry**
Customer : 1234 Miscellaneous Customer
Order : 001332000 FOB Crushed #2 Stone
P.O. :
Product : 1082 #2 Crushed Stone **19.89** Ton

	Pounds	Tons	Metric
Gross	66280	33.14	30.06
Tare	26500 *	13.25 *	12.02 *
Net	39780	19.89	18.04

* P. T.

Veh Last Tare Date 11/6/2023 12:00:0

Price		21.00	417.69
Freight		0.00	0.00
Tax	17	0.00	33.42
Total:			451.11
Today:	19.89	Loads:	1

Carrier :
Vehicle : BIRDSALL birdsall red
Received :

Weighmaster: JWS Ticket System

COPY 3 FILE

WILLIAM M. LARNED & SONS, INC.
P.O. BOX 4027
SCHENECTADY, NY 12304
PHONE (518) 374-6961 FAX (518) 393-4722

WM. M. LARNED & SONS
SAND & GRAVEL • EXCAVATING

Customer Invoice
CREDIT TERMS NET 30 DAYS

BIRDSALL EXCAVATION, LLC
15 TOWER LANE
CLARKSVILLE, NY 12041

INVOICE ID: 108243
DATE: 11/30/2023
PO #:
JOB : S MAIN GLOVERSVILLE
CUST #: BIR71554

DATE	TICKET	QTY	UNIT	DESCRIPTION	PRICE / UNIT	TOTAL
11/13/2023	122999	61.41	T	#2 STONE	20.00	1,228.20 X
11/16/2023	127024	71.17	T	TOP SOIL	32.00	2,277.44 X
11/17/2023	127026	23.73	T	TOP SOIL	32.00	759.36 X

PRODUCT SUMMARY

PRODUCT	QUANTITY	UNIT
#2 STONE	**61.41**	**T**
TOP SOIL	**94.90**	**T**

X = Taxable Item at 8.00%

SUB TOTAL:	$4,265.00
FULTON SALES TAX:	$341.20
BALANCE DUE:	**$4,606.20**

WILLIAM M. LARNED & SONS, INC.

544 Burdeck Street
Schenectady, New York 12306
Excavating **Phone: (518) 374-6961** *Sand & Gravel*
Fax: (518) 393-472

To : Whom It May Concern
From: Suzann Young – Contract Administrator
Date: November 15, 2023
Re: Topsoil

This letter is to confirm that the topsoil delivered to Birdsall Excavation & Construction at 321 – 333 S. Main St Gloversville is from a virgin source and is non-contaminated. If you have any questions, feel free to call me at (518)374-6961.

Suzann Young
Contract Administrator

Suzann Young

APPENDIX F

2023 Imported Topsoil Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L2375030
Client:	HRP Associates, Inc. 1 Fairchild Square Suite 110 Clifton Park, NY 12065
ATTN:	Patrick Montuori
Phone:	(518) 877-7101
Project Name:	FORMER INDEPENDENT LEATHER SOI
Project Number:	GLO8016.GW
Report Date:	01/10/24

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: FORMER INDEPENDENT LEATHER SOI
Project Number: GLO8016.GW

Lab Number: L2375030
Report Date: 01/10/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2375030-01	BF_12.19.23	SOIL	GLOVERSVILLE, NY	12/19/23 13:20	12/19/23

Project Name:	FORMER INDEPENDENT LEATHER SOI	**Lab Number:**	L2375030
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER SOI	**Lab Number:**	L2375030
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

Case Narrative (continued)

Report Revision

January 10, 2024: The Project Name has been amended.

Report Submission

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

Cyanide, Total

The WG1867572-2 LCS recovery for cyanide, total (79%), associated with L2375030-01, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Caitlin Walukevich

Title: Technical Director/Representative Date: 01/10/24

ORGANICS

VOLATILES

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01
Client ID: BF_12.19.23
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 13:20
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 12/26/23 18:59
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01 Date Collected: 12/19/23 13:20

Client ID: BF_12.19.23 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
Methyl Acetate	ND		ug/kg	3.8	0.89	1
Cyclohexane	ND		ug/kg	9.4	0.51	1
1,4-Dioxane	ND		ug/kg	75	33.	1
Freon-113	ND		ug/kg	3.8	0.65	1
Methyl cyclohexane	ND		ug/kg	3.8	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/26/23 15:44
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1868504-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.23	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/26/23 15:44
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1868504-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/26/23 15:44
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1868504-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1868504-3 WG1868504-4								
Methylene chloride	91		97		70-130	6		30
1,1-Dichloroethane	93		99		70-130	6		30
Chloroform	90		98		70-130	9		30
Carbon tetrachloride	93		99		70-130	6		30
1,2-Dichloropropane	99		105		70-130	6		30
Dibromochloromethane	92		104		70-130	12		30
1,1,2-Trichloroethane	93		103		70-130	10		30
Tetrachloroethene	89		96		70-130	8		30
Chlorobenzene	88		96		70-130	9		30
Trichlorofluoromethane	95		99		70-139	4		30
1,2-Dichloroethane	98		107		70-130	9		30
1,1,1-Trichloroethane	93		99		70-130	6		30
Bromodichloromethane	96		104		70-130	8		30
trans-1,3-Dichloropropene	86		98		70-130	13		30
cis-1,3-Dichloropropene	97		103		70-130	6		30
Bromoform	85		95		70-130	11		30
1,1,2,2-Tetrachloroethane	95		104		70-130	9		30
Benzene	94		100		70-130	6		30
Toluene	86		94		70-130	9		30
Ethylbenzene	89		97		70-130	9		30
Chloromethane	96		102		52-130	6		30
Bromomethane	85		90		57-147	6		30
Vinyl chloride	93		99		67-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1868504-3 WG1868504-4								
Chloroethane	99		108		50-151	9		30
1,1-Dichloroethene	91		96		65-135	5		30
trans-1,2-Dichloroethene	87		92		70-130	6		30
Trichloroethene	96		102		70-130	6		30
1,2-Dichlorobenzene	86		92		70-130	7		30
1,3-Dichlorobenzene	85		91		70-130	7		30
1,4-Dichlorobenzene	85		91		70-130	7		30
Methyl tert butyl ether	96		106		66-130	10		30
p/m-Xylene	88		97		70-130	10		30
o-Xylene	89		97		70-130	9		30
cis-1,2-Dichloroethene	88		92		70-130	4		30
Styrene	92		100		70-130	8		30
Dichlorodifluoromethane	85		89		30-146	5		30
Acetone	110		121		54-140	10		30
Carbon disulfide	92		97		59-130	5		30
2-Butanone	97		108		70-130	11		30
4-Methyl-2-pentanone	93		106		70-130	13		30
2-Hexanone	99		112		70-130	12		30
Bromochloromethane	85		93		70-130	9		30
1,2-Dibromoethane	93		103		70-130	10		30
1,2-Dibromo-3-chloropropane	82		90		68-130	9		30
Isopropylbenzene	89		95		70-130	7		30
1,2,3-Trichlorobenzene	89		97		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1868504-3 WG1868504-4								
1,2,4-Trichlorobenzene	92		98		70-130	6		30
Methyl Acetate	97		105		51-146	8		30
Cyclohexane	107		112		59-142	5		30
1,4-Dioxane	84		93		65-136	10		30
Freon-113	96		100		50-139	4		30
Methyl cyclohexane	98		105		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	97		100		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	99		101		70-130

SEMIVOLATILES

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01
Client ID: BF_12.19.23
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 13:20
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 12/24/23 17:52
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/24/23 00:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01 Date Collected: 12/19/23 13:20

Client ID: BF_12.19.23 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	ND		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01 Date Collected: 12/19/23 13:20

Client ID: BF_12.19.23 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	85		18-120

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/24/23 13:25
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/24/23 00:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1867840-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/24/23 13:25
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/24/23 00:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1867840-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/24/23 13:25
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 12/24/23 00:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1867840-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	74		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1867840-2 WG1867840-3								
Acenaphthene	79		60		31-137	27		50
Hexachlorobenzene	90		68		40-140	28		50
Bis(2-chloroethyl)ether	83		59		40-140	34		50
2-Chloronaphthalene	81		60		40-140	30		50
3,3'-Dichlorobenzidine	62		51		40-140	19		50
2,4-Dinitrotoluene	93		70		40-132	28		50
2,6-Dinitrotoluene	90		69		40-140	26		50
Fluoranthene	90		71		40-140	24		50
4-Chlorophenyl phenyl ether	84		64		40-140	27		50
4-Bromophenyl phenyl ether	92		70		40-140	27		50
Bis(2-chloroisopropyl)ether	47		**34**	Q	40-140	32		50
Bis(2-chloroethoxy)methane	86		65		40-117	28		50
Hexachlorobutadiene	81		58		40-140	33		50
Hexachlorocyclopentadiene	87		63		40-140	32		50
Hexachloroethane	77		55		40-140	33		50
Isophorone	87		65		40-140	29		50
Naphthalene	82		60		40-140	31		50
Nitrobenzene	88		66		40-140	29		50
NDPA/DPA	86		67		36-157	25		50
n-Nitrosodi-n-propylamine	89		66		32-121	30		50
Bis(2-ethylhexyl)phthalate	101		78		40-140	26		50
Butyl benzyl phthalate	100		78		40-140	25		50
Di-n-butylphthalate	97		75		40-140	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1867840-2 WG1867840-3								
Di-n-octylphthalate	103		80		40-140	25		50
Diethyl phthalate	88		68		40-140	26		50
Dimethyl phthalate	83		64		40-140	26		50
Benzo(a)anthracene	89		69		40-140	25		50
Benzo(a)pyrene	101		78		40-140	26		50
Benzo(b)fluoranthene	93		68		40-140	31		50
Benzo(k)fluoranthene	92		75		40-140	20		50
Chrysene	92		70		40-140	27		50
Acenaphthylene	84		64		40-140	27		50
Anthracene	90		69		40-140	26		50
Benzo(ghi)perylene	87		67		40-140	26		50
Fluorene	84		64		40-140	27		50
Phenanthrene	87		67		40-140	26		50
Dibenzo(a,h)anthracene	87		67		40-140	26		50
Indeno(1,2,3-cd)pyrene	89		70		40-140	24		50
Pyrene	90		70		35-142	25		50
Biphenyl	84		63		37-127	29		50
4-Chloroaniline	51		40		40-140	24		50
2-Nitroaniline	101		76		47-134	28		50
3-Nitroaniline	72		59		26-129	20		50
4-Nitroaniline	99		77		41-125	25		50
Dibenzofuran	83		63		40-140	27		50
2-Methylnaphthalene	84		62		40-140	30		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1867840-2 WG1867840-3								
1,2,4,5-Tetrachlorobenzene	85		63		40-117	30		50
Acetophenone	92		68		14-144	30		50
2,4,6-Trichlorophenol	87		67		30-130	26		50
p-Chloro-m-cresol	93		72		26-103	25		50
2-Chlorophenol	90		67		25-102	29		50
2,4-Dichlorophenol	89		68		30-130	27		50
2,4-Dimethylphenol	94		69		30-130	31		50
2-Nitrophenol	98		74		30-130	28		50
4-Nitrophenol	96		74		11-114	26		50
2,4-Dinitrophenol	63		44		4-130	36		50
4,6-Dinitro-o-cresol	94		74		10-130	24		50
Pentachlorophenol	104		79		17-109	27		50
Phenol	88		66		26-90	29		50
2-Methylphenol	90		68		30-130.	28		50
3-Methylphenol/4-Methylphenol	90		68		30-130	28		50
2,4,5-Trichlorophenol	86		67		30-130	25		50
Carbazole	91		70		54-128	26		50
Atrazine	94		75		40-140	22		50
Benzaldehyde	110		79		40-140	33		50
Caprolactam	69		55		15-130	23		50
2,3,4,6-Tetrachlorophenol	93		72		40-140	25		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1867840-2 WG1867840-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	93		70		25-120
Phenol-d6	96		73		10-120
Nitrobenzene-d5	90		70		23-120
2-Fluorobiphenyl	82		63		30-120
2,4,6-Tribromophenol	98		77		10-136
4-Terphenyl-d14	97		78		18-120

PCBS

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01
Client ID: BF_12.19.23
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 13:20
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/26/23 15:06
Analyst: RMP
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/24/23 01:30
Cleanup Method: EPA 3665A
Cleanup Date: 12/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.0	4.97	1	A
Aroclor 1221	ND		ug/kg	56.0	5.61	1	A
Aroclor 1232	ND		ug/kg	56.0	11.9	1	A
Aroclor 1242	ND		ug/kg	56.0	7.55	1	A
Aroclor 1248	ND		ug/kg	56.0	8.40	1	A
Aroclor 1254	ND		ug/kg	56.0	6.13	1	A
Aroclor 1260	ND		ug/kg	56.0	10.4	1	A
Aroclor 1262	ND		ug/kg	56.0	7.12	1	A
Aroclor 1268	ND		ug/kg	56.0	5.80	1	A
PCBs, Total	ND		ug/kg	56.0	4.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/26/23 14:15
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 12/24/23 01:30
Cleanup Method: EPA 3665A
Cleanup Date: 12/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1867842-1						
Aroclor 1016	ND		ug/kg	46.9	4.17	A
Aroclor 1221	ND		ug/kg	46.9	4.70	A
Aroclor 1232	ND		ug/kg	46.9	9.95	A
Aroclor 1242	ND		ug/kg	46.9	6.33	A
Aroclor 1248	ND		ug/kg	46.9	7.04	A
Aroclor 1254	ND		ug/kg	46.9	5.14	A
Aroclor 1260	ND		ug/kg	46.9	8.68	A
Aroclor 1262	ND		ug/kg	46.9	5.96	A
Aroclor 1268	ND		ug/kg	46.9	4.86	A
PCBs, Total	ND		ug/kg	46.9	4.17	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1867842-2 WG1867842-3									
Aroclor 1016	79		77		40-140	3		50	A
Aroclor 1260	83		82		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		87		30-150	A
Decachlorobiphenyl	101		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		82		30-150	B
Decachlorobiphenyl	95		95		30-150	B

PESTICIDES

Project Name: FORMER INDEPENDENT LEATHER SOI
Lab Number: L2375030
Project Number: GLO8016.GW
Report Date: 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01
Client ID: BF_12.19.23
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 13:20
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 12/23/23 14:16
Analyst: JAG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/22/23 05:11
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.746	0.333	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.679	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.783	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	1.93	IP	ug/kg	1.12	0.559	1	A
4,4'-DDE	0.604	J	ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.638	1	A
4,4'-DDT	ND		ug/kg	1.79	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	1.08	JIP	ug/kg	2.24	0.623	1	B
trans-Chlordane	2.85	IP	ug/kg	2.24	0.591	1	A
Chlordane	ND		ug/kg	14.9	5.93	1	A

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01 Date Collected: 12/19/23 13:20

Client ID: BF_12.19.23 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/23/23 13:05
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 12/22/23 05:11
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1867197-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.585	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.868	A
Endrin	ND		ug/kg	0.643	0.263	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.964	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	1.54	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.8	5.11	A

Project Name: FORMER INDEPENDENT LEATHER SOI
Project Number: GLO8016.GW
Lab Number: L2375030
Report Date: 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 12/23/23 13:05
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 12/22/23 05:11
Cleanup Method: EPA 3620B
Cleanup Date: 12/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1867197-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1867197-2 WG1867197-3									
Delta-BHC	105		106		30-150	1		30	A
Lindane	108		109		30-150	1		30	A
Alpha-BHC	106		106		30-150	0		30	A
Beta-BHC	108		109		30-150	1		30	A
Heptachlor	104		106		30-150	2		30	A
Aldrin	106		108		30-150	2		30	A
Heptachlor epoxide	101		104		30-150	3		30	A
Endrin	106		109		30-150	3		30	A
Endrin aldehyde	85		87		30-150	2		30	A
Endrin ketone	95		101		30-150	6		30	A
Dieldrin	112		115		30-150	3		30	A
4,4'-DDE	107		110		30-150	3		30	A
4,4'-DDD	112		116		30-150	4		30	A
4,4'-DDT	96		100		30-150	4		30	A
Endosulfan I	96		99		30-150	3		30	A
Endosulfan II	100		103		30-150	3		30	A
Endosulfan sulfate	98		102		30-150	4		30	A
Methoxychlor	101		106		30-150	5		30	A
cis-Chlordane	100		103		30-150	3		30	A
trans-Chlordane	119		121		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1867197-2 WG1867197-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		99		30-150	A
Decachlorobiphenyl	92		100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		101		30-150	B
Decachlorobiphenyl	99		109		30-150	B

METALS

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01 Date Collected: 12/19/23 13:20

Client ID: BF_12.19.23 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	3.76		mg/kg	0.457	0.095	1	12/22/23 02:06	12/26/23 16:10	EPA 3050B	1,6010D	TAA
Barium, Total	36.4		mg/kg	0.457	0.079	1	12/22/23 02:06	12/26/23 16:10	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.457	0.045	1	12/22/23 02:06	12/26/23 16:10	EPA 3050B	1,6010D	TAA
Chromium, Total	8.55		mg/kg	0.457	0.044	1	12/22/23 02:06	12/26/23 16:10	EPA 3050B	1,6010D	TAA
Lead, Total	13.3		mg/kg	2.28	0.122	1	12/22/23 02:06	12/26/23 16:10	EPA 3050B	1,6010D	TAA
Mercury, Total	0.079		mg/kg	0.072	0.047	1	12/22/23 13:49	12/26/23 16:30	EPA 7471B	1,7471B	MJR
Selenium, Total	0.147	J	mg/kg	0.913	0.118	1	12/22/23 02:06	12/26/23 16:10	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.228	0.129	1	12/22/23 02:06	12/26/23 16:10	EPA 3050B	1,6010D	TAA

Project Name: FORMER INDEPENDENT LEATHER SOI **Lab Number:** L2375030

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1866992-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/22/23 02:06	12/26/23 13:48	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	12/22/23 02:06	12/26/23 13:48	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/22/23 02:06	12/26/23 13:48	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/22/23 02:06	12/26/23 13:48	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	12/22/23 02:06	12/26/23 13:48	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/22/23 02:06	12/26/23 13:48	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	12/22/23 02:06	12/26/23 13:48	1,6010D	DMC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1866994-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/22/23 13:49	12/26/23 15:50	1,7471B	MJR

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1866992-2 SRM Lot Number: D122-540								
Arsenic, Total	96		-		81-119	-		
Barium, Total	87		-		83-117	-		
Cadmium, Total	94		-		83-117	-		
Chromium, Total	96		-		82-118	-		
Lead, Total	96		-		83-117	-		
Selenium, Total	100		-		81-119	-		
Silver, Total	99		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1866994-2 SRM Lot Number: D122-540								
Mercury, Total	76		-		73-127	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI
Project Number: GLO8016.GW
Lab Number: L2375030
Report Date: 01/10/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1866992-3 QC Sample: L2374842-01 Client ID: MS Sample												
Arsenic, Total	3.95	11	15.1	102		-	-		75-125	-		20
Barium, Total	39.9	183	241	110		-	-		75-125	-		20
Cadmium, Total	ND	4.84	4.95	102		-	-		75-125	-		20
Chromium, Total	8.85	18.3	31.2	122		-	-		75-125	-		20
Lead, Total	68.0	48.4	133	**134**	Q	-	-		75-125	-		20
Selenium, Total	0.343J	11	11.4	104		-	-		75-125	-		20
Silver, Total	ND	4.56	4.89	107		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1866994-3 QC Sample: L2374988-01 Client ID: MS Sample												
Mercury, Total	0.059J	1.7	1.70	100		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1866992-4 QC Sample: L2374842-01 Client ID: DUP Sample						
Arsenic, Total	3.95	4.29	mg/kg	8		20
Barium, Total	39.9	40.9	mg/kg	2		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	8.85	9.83	mg/kg	10		20
Lead, Total	68.0	83.4	mg/kg	20		20
Selenium, Total	0.343J	0.498J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1866994-4 QC Sample: L2374988-01 Client ID: DUP Sample						
Mercury, Total	0.059J	ND	mg/kg	NC		20

Project Name: FORMER INDEPENDENT LEATHER SOI
Project Number: GLO8016.GW

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2375030
Report Date: 01/10/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1866992-6 QC Sample: L2374842-01 Client ID: DUP Sample						
Barium, Total	39.9	40.3	mg/kg	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: FORMER INDEPENDENT LEATHER SOI
Project Number: GLO8016.GW
Lab Number: L2375030
Report Date: 01/10/24

SAMPLE RESULTS

Lab ID: L2375030-01
Client ID: BF_12.19.23
Sample Location: GLOVERSVILLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 12/19/23 13:20
Date Received: 12/19/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	12/20/23 08:56	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	12/22/23 19:10	12/26/23 13:53	1,9010C/9012B	JER

Project Name: FORMER INDEPENDENT LEATHER S(

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1867572-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	12/22/23 19:10	12/26/23 13:49	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1867572-2 WG1867572-3								
Cyanide, Total	**79**	Q	89		80-120	11		35

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI
Project Number: GLO8016.GW

Lab Number: L2375030
Report Date: 01/10/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1867572-4 WG1867572-5 QC Sample: L2375030-01 Client ID: BF_12.19.23												
Cyanide, Total	ND	11	10	92		12	110		75-125	18		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER SOI

Project Number: GLO8016.GW

Lab Number: L2375030

Report Date: 01/10/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1866186-1 QC Sample: L2374950-01 Client ID: DUP Sample						
Solids, Total	79.7	81.2	%	2		20

Project Name: FORMER INDEPENDENT LEATHER SOI
Project Number: GLO8016.GW

Lab Number: L2375030
Report Date: 01/10/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2375030-01A	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2375030-01B	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2375030-01C	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2375030-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2375030-01E	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(365)
L2375030-01F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(365)
L2375030-01G	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(365)
L2375030-01H	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(365)
L2375030-01X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260HLW-R2(14)
L2375030-01Y	Vial Water preserved split	A	NA		2.7	Y	Absent	20-DEC-23 07:01	NYTCL-8260HLW-R2(14)
L2375030-01Z	Vial Water preserved split	A	NA		2.7	Y	Absent	20-DEC-23 07:01	NYTCL-8260HLW-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER INDEPENDENT LEATHER SOI	**Lab Number:**	L2375030
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER SOI	**Lab Number:**	L2375030
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER SOI	**Lab Number:**	L2375030
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER SOI	**Lab Number:**	L2375030
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; 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.
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, SM9221E, 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.

NEW YORK CHAIN OF CUSTODY

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

Page 1 of 1

Date Rec'd in Lab: 12/20/23

ALPHA Job #: L2375030

Client Information

Client: HRP Associates, Inc.
Address: 1 Fairchild Sq, Suite 110
Clifton Park, NY 12065
Phone: 518 877 7101
Fax:
Email: Patrick.Manturi@hrpassociates.com

Project Information

Project Name: Former Independent Leather - Soil
Project Location: Gloversville, NY
Project # GLO 8016.GW
(Use Project name as Project #) ☐
Project Manager: Patrick Manturi
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:

Please use Soil from other jars if necessary to run all analyses

Please specify Metals or TAL.

ANALYSIS

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	RCRA 8 Metals (6010/7470)	TCL Pesticides (8081)	TCL PCBs (8082)	TCL SVOCs (8270)	TCL VOCs (8260)	TCL VOCs (8260)	Cyanide (9012B)		Sample Specific Comments	Total Bottle
75030-01	BF_12.19.23	12/19/23	1320	S	EJ	X	X	X	X	X	X	X		Collected in 4x 8oz jar, 1x 2oz jar, 3x EnCore - prefer to run VOC from 2oz jar	8

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

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

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

Container Type	G	G	G	G	G	E	G	
Preservative	U	U	U	U	U	U	U	

Relinquished By:	Date/Time	Received By:	Date/Time
	12/19/23 0515pm		12/19/23 1715
	12/19/23 1715		12/20/23 0030

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)

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January 18, 2024

Patrick Montuori
HRP Associates - NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: Gloversville, NY
Client Job Number:
Project Number: GLO8016.GW
Laboratory Work Order Number: 24A1417

Enclosed are results of analyses for samples as received by the laboratory on January 16, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino
Project Manager

Table of Contents

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HRP Associates - NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Patrick Montuori

REPORT DATE: 1/18/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: GLO8016.GW

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24A1417

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Gloversville, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SC-1	24A1417-01	Soil		SM 2540G	
				SW-846 8081B	
SC-2	24A1417-02	Soil		SM 2540G	
				SW-846 8081B	
SC-3	24A1417-03	Soil		SM 2540G	
				SW-846 8081B	
SC-4	24A1417-04	Soil		SM 2540G	
				SW-846 8081B	
SC-5	24A1417-05	Soil		SM 2540G	
				SW-846 8081B	
SC-6	24A1417-06	Soil		SM 2540G	
				SW-846 8081B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

24A1417-01[SC-1], 24A1417-02[SC-2], 24A1417-03[SC-3], 24A1417-04[SC-4], 24A1417-05[SC-5], 24A1417-06[SC-6]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-1 | Sampled: 1/15/2024 09:20

Sample ID: 24A1417-01

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Aldrin [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
alpha-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
beta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
delta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
gamma-BHC (Lindane) [1]	ND	0.011	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
4,4'-DDD [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
4,4'-DDE [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
4,4'-DDT [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Dieldrin [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Endosulfan I [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Endosulfan II [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Endosulfan sulfate [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Endrin [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Endrin aldehyde [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	1/16/24	1/18/24 1:29	TG
Endrin ketone [1]	ND	0.043	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Heptachlor [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Heptachlor epoxide [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Hexachlorobenzene [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Methoxychlor [1]	ND	0.27	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG
Toxaphene [1]	ND	0.54	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.2	30-150		1/17/24 20:12
Decachlorobiphenyl [2]	83.1	30-150		1/17/24 20:12
Tetrachloro-m-xylene [1]	85.9	30-150		1/17/24 20:12
Tetrachloro-m-xylene [2]	80.8	30-150		1/17/24 20:12

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-1 | Sampled: 1/15/2024 09:20

Sample ID: 24A1417-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.8		% Wt	1		SM 2540G	1/16/24	1/16/24 11:36	MJH

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-2 | Sampled: 1/15/2024 09:25

Sample ID: 24A1417-02

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Aldrin [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
alpha-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
beta-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
delta-BHC [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
gamma-BHC (Lindane) [1]	ND	0.011	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
4,4'-DDD [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
4,4'-DDE [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
4,4'-DDT [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Dieldrin [1]	ND	0.023	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Endosulfan I [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Endosulfan II [1]	ND	0.046	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Endosulfan sulfate [1]	ND	0.046	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Endrin [1]	ND	0.046	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Endrin aldehyde [1]	ND	0.046	mg/Kg dry	5		SW-846 8081B	1/16/24	1/18/24 1:57	TG
Endrin ketone [1]	ND	0.046	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Heptachlor [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Heptachlor epoxide [1]	ND	0.028	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Hexachlorobenzene [1]	ND	0.034	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Methoxychlor [1]	ND	0.28	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG
Toxaphene [1]	ND	0.57	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 20:41	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.3	30-150		1/17/24 20:41
Decachlorobiphenyl [2]	83.6	30-150		1/17/24 20:41
Tetrachloro-m-xylene [1]	90.3	30-150		1/17/24 20:41
Tetrachloro-m-xylene [2]	84.0	30-150		1/17/24 20:41

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-2 | Sampled: 1/15/2024 09:25

Sample ID: 24A1417-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	1/16/24	1/16/24 11:36	MJH

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-3 | Sampled: 1/15/2024 09:30

Sample ID: 24A1417-03

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.10	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Aldrin [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
alpha-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
beta-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
delta-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
gamma-BHC (Lindane) [1]	ND	0.010	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Chlordane [1]	ND	0.10	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
4,4'-DDD [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
4,4'-DDE [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
4,4'-DDT [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Dieldrin [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Endosulfan I [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Endosulfan II [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Endosulfan sulfate [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Endrin [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Endrin aldehyde [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/18/24 2:25	TG
Endrin ketone [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Heptachlor [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Heptachlor epoxide [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Hexachlorobenzene [1]	ND	0.031	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Methoxychlor [1]	ND	0.26	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG
Toxaphene [1]	ND	0.52	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		1/17/24 21:09
Decachlorobiphenyl [2]	90.1	30-150		1/17/24 21:09
Tetrachloro-m-xylene [1]	91.5	30-150		1/17/24 21:09
Tetrachloro-m-xylene [2]	88.8	30-150		1/17/24 21:09

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-3 | Sampled: 1/15/2024 09:30

Sample ID: 24A1417-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.5		% Wt	1		SM 2540G	1/16/24	1/16/24 11:36	MJH

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-4 | Sampled: 1/15/2024 09:40

Sample ID: 24A1417-04

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Aldrin [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
alpha-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
beta-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
delta-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
gamma-BHC (Lindane) [1]	ND	0.011	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
4,4'-DDD [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
4,4'-DDE [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
4,4'-DDT [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Dieldrin [1]	ND	0.021	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Endosulfan I [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Endosulfan II [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Endosulfan sulfate [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Endrin [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Endrin aldehyde [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/18/24 2:53	TG
Endrin ketone [1]	ND	0.042	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Heptachlor [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Heptachlor epoxide [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Hexachlorobenzene [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Methoxychlor [1]	ND	0.26	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG
Toxaphene [1]	ND	0.53	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 21:37	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.2	30-150		1/17/24 21:37
Decachlorobiphenyl [2]	83.5	30-150		1/17/24 21:37
Tetrachloro-m-xylene [1]	89.2	30-150		1/17/24 21:37
Tetrachloro-m-xylene [2]	85.7	30-150		1/17/24 21:37

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-4 | Sampled: 1/15/2024 09:40

Sample ID: 24A1417-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.8		% Wt	1		SM 2540G	1/16/24	1/16/24 11:36	MJH

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-5 | Sampled: 1/15/2024 10:00

Sample ID: 24A1417-05

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Aldrin [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
alpha-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
beta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
delta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
gamma-BHC (Lindane) [1]	ND	0.011	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
4,4'-DDD [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
4,4'-DDE [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
4,4'-DDT [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Dieldrin [1]	ND	0.022	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Endosulfan I [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Endosulfan II [1]	ND	0.044	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Endosulfan sulfate [1]	ND	0.044	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Endrin [1]	ND	0.044	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Endrin aldehyde [1]	ND	0.044	mg/Kg dry	5		SW-846 8081B	1/16/24	1/18/24 3:21	TG
Endrin ketone [1]	ND	0.044	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Heptachlor [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Heptachlor epoxide [1]	ND	0.027	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Hexachlorobenzene [1]	ND	0.033	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Methoxychlor [1]	ND	0.27	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG
Toxaphene [1]	ND	0.55	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:05	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.2	30-150		1/17/24 22:05
Decachlorobiphenyl [2]	85.8	30-150		1/17/24 22:05
Tetrachloro-m-xylene [1]	86.6	30-150		1/17/24 22:05
Tetrachloro-m-xylene [2]	89.0	30-150		1/17/24 22:05

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-5 | Sampled: 1/15/2024 10:00

Sample ID: 24A1417-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1		SM 2540G	1/16/24	1/16/24 11:36	MJH

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-6 | Sampled: 1/15/2024 10:05

Sample ID: 24A1417-06

Sample Matrix: Soil

Sample Flags: DL-03

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.10	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Aldrin [1]	ND	0.025	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
alpha-BHC [1]	ND	0.025	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
beta-BHC [1]	ND	0.025	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
delta-BHC [1]	ND	0.025	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
gamma-BHC (Lindane) [1]	ND	0.010	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Chlordane [1]	ND	0.10	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
4,4'-DDD [1]	ND	0.020	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
4,4'-DDE [1]	ND	0.020	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
4,4'-DDT [1]	ND	0.020	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Dieldrin [1]	ND	0.020	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Endosulfan I [1]	ND	0.025	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Endosulfan II [1]	ND	0.041	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Endosulfan sulfate [1]	ND	0.041	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Endrin [1]	ND	0.041	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Endrin aldehyde [1]	ND	0.041	mg/Kg dry	5		SW-846 8081B	1/16/24	1/18/24 3:50	TG
Endrin ketone [1]	ND	0.041	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Heptachlor [1]	ND	0.025	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Heptachlor epoxide [1]	ND	0.025	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Hexachlorobenzene [1]	ND	0.031	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Methoxychlor [1]	ND	0.25	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG
Toxaphene [1]	ND	0.51	mg/Kg dry	5		SW-846 8081B	1/16/24	1/17/24 22:33	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.5	30-150		1/17/24 22:33
Decachlorobiphenyl [2]	85.0	30-150		1/17/24 22:33
Tetrachloro-m-xylene [1]	89.0	30-150		1/17/24 22:33
Tetrachloro-m-xylene [2]	85.8	30-150		1/17/24 22:33

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24A1417

Date Received: 1/16/2024

Field Sample #: SC-6 | Sampled: 1/15/2024 10:05

Sample ID: 24A1417-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	1/16/24	1/16/24 11:36	MJH

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Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
24A1417-01 [SC-1]	B363478	01/16/24
24A1417-02 [SC-2]	B363478	01/16/24
24A1417-03 [SC-3]	B363478	01/16/24
24A1417-04 [SC-4]	B363478	01/16/24
24A1417-05 [SC-5]	B363478	01/16/24
24A1417-06 [SC-6]	B363478	01/16/24

Prep Method:SW-846 3546 **Analytical Method:SW-846 8081B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24A1417-01 [SC-1]	B363485	10.0	10.0	01/16/24
24A1417-02 [SC-2]	B363485	10.4	10.0	01/16/24
24A1417-03 [SC-3]	B363485	10.3	10.0	01/16/24
24A1417-04 [SC-4]	B363485	10.6	10.0	01/16/24
24A1417-05 [SC-5]	B363485	10.4	10.0	01/16/24
24A1417-06 [SC-6]	B363485	10.5	10.0	01/16/24

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B363485 - SW-846 3546										
Blank (B363485-BLK1)				Prepared: 01/16/24 Analyzed: 01/17/24						
alpha-Chlordane	ND	0.0047	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0047	mg/Kg wet							
gamma-Chlordane	ND	0.0047	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0047	mg/Kg wet							
Alachlor	ND	0.019	mg/Kg wet							
Alachlor [2C]	ND	0.019	mg/Kg wet							
Aldrin	ND	0.0047	mg/Kg wet							
Aldrin [2C]	ND	0.0047	mg/Kg wet							
alpha-BHC	ND	0.0047	mg/Kg wet							
alpha-BHC [2C]	ND	0.0047	mg/Kg wet							
beta-BHC	ND	0.0047	mg/Kg wet							
beta-BHC [2C]	ND	0.0047	mg/Kg wet							
delta-BHC	ND	0.0047	mg/Kg wet							
delta-BHC [2C]	ND	0.0047	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0019	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0019	mg/Kg wet							
Chlordane	ND	0.019	mg/Kg wet							
Chlordane [2C]	ND	0.019	mg/Kg wet							
4,4'-DDD	ND	0.0038	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0038	mg/Kg wet							
4,4'-DDE	ND	0.0038	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0038	mg/Kg wet							
4,4'-DDT	ND	0.0038	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0038	mg/Kg wet							
Dieldrin	ND	0.0038	mg/Kg wet							
Dieldrin [2C]	ND	0.0038	mg/Kg wet							
Endosulfan I	ND	0.0047	mg/Kg wet							
Endosulfan I [2C]	ND	0.0047	mg/Kg wet							
Endosulfan II	ND	0.0075	mg/Kg wet							
Endosulfan II [2C]	ND	0.0075	mg/Kg wet							
Endosulfan Sulfate	ND	0.0075	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0075	mg/Kg wet							
Endrin	ND	0.0075	mg/Kg wet							
Endrin [2C]	ND	0.0075	mg/Kg wet							
Endrin Aldehyde	ND	0.0075	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0075	mg/Kg wet							
Endrin Ketone	ND	0.0075	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0075	mg/Kg wet							
Heptachlor	ND	0.0047	mg/Kg wet							
Heptachlor [2C]	ND	0.0047	mg/Kg wet							
Heptachlor Epoxide	ND	0.0047	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0047	mg/Kg wet							
Hexachlorobenzene	ND	0.0057	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0057	mg/Kg wet							
Methoxychlor	ND	0.047	mg/Kg wet							
Methoxychlor [2C]	ND	0.047	mg/Kg wet							
Toxaphene	ND	0.094	mg/Kg wet							
Toxaphene [2C]	ND	0.094	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.164*		mg/Kg wet	0.189		87.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.165*		mg/Kg wet	0.189		87.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.189		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.155*		mg/Kg wet	0.189		82.0	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B363485 - SW-846 3546										
LCS (B363485-BS1)				Prepared: 01/16/24 Analyzed: 01/17/24						
alpha-Chlordane	0.092	0.0048	mg/Kg wet	0.0952		97.0	40-140			
alpha-Chlordane [2C]	0.095	0.0048	mg/Kg wet	0.0952		99.9	40-140			
gamma-Chlordane	0.090	0.0048	mg/Kg wet	0.0952		94.4	40-140			
gamma-Chlordane [2C]	0.095	0.0048	mg/Kg wet	0.0952		99.4	40-140			
Alachlor	0.084	0.019	mg/Kg wet	0.0952		88.3	40-140			
Alachlor [2C]	0.084	0.019	mg/Kg wet	0.0952		88.3	40-140			
Aldrin	0.094	0.0048	mg/Kg wet	0.0952		98.4	40-140			
Aldrin [2C]	0.091	0.0048	mg/Kg wet	0.0952		95.9	40-140			
alpha-BHC	0.095	0.0048	mg/Kg wet	0.0952		99.6	40-140			
alpha-BHC [2C]	0.090	0.0048	mg/Kg wet	0.0952		95.0	40-140			
beta-BHC	0.086	0.0048	mg/Kg wet	0.0952		90.6	40-140			
beta-BHC [2C]	0.088	0.0048	mg/Kg wet	0.0952		92.0	40-140			
delta-BHC	0.085	0.0048	mg/Kg wet	0.0952		89.6	40-140			
delta-BHC [2C]	0.085	0.0048	mg/Kg wet	0.0952		89.2	40-140			
gamma-BHC (Lindane)	0.094	0.0019	mg/Kg wet	0.0952		98.4	40-140			
gamma-BHC (Lindane) [2C]	0.090	0.0019	mg/Kg wet	0.0952		94.7	40-140			
4,4'-DDD	0.10	0.0038	mg/Kg wet	0.0952		106	40-140			
4,4'-DDD [2C]	0.10	0.0038	mg/Kg wet	0.0952		109	40-140			
4,4'-DDE	0.098	0.0038	mg/Kg wet	0.0952		103	40-140			
4,4'-DDE [2C]	0.099	0.0038	mg/Kg wet	0.0952		104	40-140			
4,4'-DDT	0.095	0.0038	mg/Kg wet	0.0952		100	40-140			
4,4'-DDT [2C]	0.095	0.0038	mg/Kg wet	0.0952		99.5	40-140			
Dieldrin	0.098	0.0038	mg/Kg wet	0.0952		103	40-140			
Dieldrin [2C]	0.099	0.0038	mg/Kg wet	0.0952		104	40-140			
Endosulfan I	0.092	0.0048	mg/Kg wet	0.0952		96.7	40-140			
Endosulfan I [2C]	0.098	0.0048	mg/Kg wet	0.0952		103	40-140			
Endosulfan II	0.088	0.0076	mg/Kg wet	0.0952		92.0	40-140			
Endosulfan II [2C]	0.094	0.0076	mg/Kg wet	0.0952		98.3	40-140			
Endosulfan Sulfate	0.088	0.0076	mg/Kg wet	0.0952		92.7	40-140			
Endosulfan Sulfate [2C]	0.091	0.0076	mg/Kg wet	0.0952		96.0	40-140			
Endrin	0.096	0.0076	mg/Kg wet	0.0952		101	40-140			
Endrin [2C]	0.10	0.0076	mg/Kg wet	0.0952		105	40-140			
Endrin Aldehyde	0.091	0.0076	mg/Kg wet	0.0952		95.1	40-140			
Endrin Aldehyde [2C]	0.098	0.0076	mg/Kg wet	0.0952		103	40-140			
Endrin Ketone	0.088	0.0076	mg/Kg wet	0.0952		92.8	40-140			
Endrin Ketone [2C]	0.090	0.0076	mg/Kg wet	0.0952		94.1	40-140			
Heptachlor	0.096	0.0048	mg/Kg wet	0.0952		101	40-140			
Heptachlor [2C]	0.091	0.0048	mg/Kg wet	0.0952		95.1	40-140			
Heptachlor Epoxide	0.095	0.0048	mg/Kg wet	0.0952		99.9	40-140			
Heptachlor Epoxide [2C]	0.088	0.0048	mg/Kg wet	0.0952		92.8	40-140			
Hexachlorobenzene	0.088	0.0057	mg/Kg wet	0.0952		92.1	40-140			
Hexachlorobenzene [2C]	0.084	0.0057	mg/Kg wet	0.0952		88.1	40-140			
Methoxychlor	0.086	0.048	mg/Kg wet	0.0952		90.0	40-140			
Methoxychlor [2C]	0.085	0.048	mg/Kg wet	0.0952		89.0	40-140			
Surrogate: Decachlorobiphenyl	*0.176*		mg/Kg wet	0.190		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.175*		mg/Kg wet	0.190		92.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.180*		mg/Kg wet	0.190		94.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.190		86.4	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B363485 - SW-846 3546										
LCS Dup (B363485-BSD1)				Prepared: 01/16/24 Analyzed: 01/17/24						
alpha-Chlordane	0.086	0.0049	mg/Kg wet	0.0971		88.1	40-140	7.71	30	
alpha-Chlordane [2C]	0.089	0.0049	mg/Kg wet	0.0971		91.2	40-140	7.20	30	
gamma-Chlordane	0.083	0.0049	mg/Kg wet	0.0971		85.7	40-140	7.70	30	
gamma-Chlordane [2C]	0.088	0.0049	mg/Kg wet	0.0971		90.8	40-140	7.08	30	
Alachlor	0.079	0.019	mg/Kg wet	0.0971		81.5	40-140	6.09	30	
Alachlor [2C]	0.079	0.019	mg/Kg wet	0.0971		81.7	40-140	5.91	30	
Aldrin	0.087	0.0049	mg/Kg wet	0.0971		89.8	40-140	7.22	30	
Aldrin [2C]	0.086	0.0049	mg/Kg wet	0.0971		88.6	40-140	5.93	30	
alpha-BHC	0.087	0.0049	mg/Kg wet	0.0971		89.9	40-140	8.27	30	
alpha-BHC [2C]	0.084	0.0049	mg/Kg wet	0.0971		87.0	40-140	6.86	30	
beta-BHC	0.080	0.0049	mg/Kg wet	0.0971		82.7	40-140	7.18	30	
beta-BHC [2C]	0.081	0.0049	mg/Kg wet	0.0971		83.9	40-140	7.20	30	
delta-BHC	0.079	0.0049	mg/Kg wet	0.0971		81.6	40-140	7.43	30	
delta-BHC [2C]	0.080	0.0049	mg/Kg wet	0.0971		82.2	40-140	6.32	30	
gamma-BHC (Lindane)	0.087	0.0019	mg/Kg wet	0.0971		89.2	40-140	7.90	30	
gamma-BHC (Lindane) [2C]	0.084	0.0019	mg/Kg wet	0.0971		86.6	40-140	6.98	30	
4,4'-DDD	0.094	0.0039	mg/Kg wet	0.0971		96.5	40-140	7.55	30	
4,4'-DDD [2C]	0.096	0.0039	mg/Kg wet	0.0971		99.1	40-140	7.35	30	
4,4'-DDE	0.091	0.0039	mg/Kg wet	0.0971		93.5	40-140	7.69	30	
4,4'-DDE [2C]	0.093	0.0039	mg/Kg wet	0.0971		96.2	40-140	6.20	30	
4,4'-DDT	0.087	0.0039	mg/Kg wet	0.0971		89.2	40-140	9.52	30	
4,4'-DDT [2C]	0.087	0.0039	mg/Kg wet	0.0971		89.1	40-140	9.14	30	
Dieldrin	0.091	0.0039	mg/Kg wet	0.0971		93.6	40-140	7.64	30	
Dieldrin [2C]	0.092	0.0039	mg/Kg wet	0.0971		94.8	40-140	7.15	30	
Endosulfan I	0.085	0.0049	mg/Kg wet	0.0971		87.7	40-140	7.88	30	
Endosulfan I [2C]	0.091	0.0049	mg/Kg wet	0.0971		93.7	40-140	7.34	30	
Endosulfan II	0.081	0.0078	mg/Kg wet	0.0971		83.6	40-140	7.69	30	
Endosulfan II [2C]	0.087	0.0078	mg/Kg wet	0.0971		90.0	40-140	6.95	30	
Endosulfan Sulfate	0.083	0.0078	mg/Kg wet	0.0971		85.6	40-140	6.11	30	
Endosulfan Sulfate [2C]	0.086	0.0078	mg/Kg wet	0.0971		88.7	40-140	6.01	30	
Endrin	0.089	0.0078	mg/Kg wet	0.0971		91.8	40-140	7.76	30	
Endrin [2C]	0.093	0.0078	mg/Kg wet	0.0971		95.4	40-140	7.45	30	
Endrin Aldehyde	0.083	0.0078	mg/Kg wet	0.0971		85.3	40-140	8.95	30	
Endrin Aldehyde [2C]	0.091	0.0078	mg/Kg wet	0.0971		93.5	40-140	7.82	30	
Endrin Ketone	0.083	0.0078	mg/Kg wet	0.0971		85.1	40-140	6.78	30	
Endrin Ketone [2C]	0.084	0.0078	mg/Kg wet	0.0971		86.6	40-140	6.40	30	
Heptachlor	0.088	0.0049	mg/Kg wet	0.0971		91.0	40-140	8.06	30	
Heptachlor [2C]	0.085	0.0049	mg/Kg wet	0.0971		87.2	40-140	6.69	30	
Heptachlor Epoxide	0.088	0.0049	mg/Kg wet	0.0971		90.7	40-140	7.65	30	
Heptachlor Epoxide [2C]	0.083	0.0049	mg/Kg wet	0.0971		85.0	40-140	6.85	30	
Hexachlorobenzene	0.082	0.0058	mg/Kg wet	0.0971		84.1	40-140	7.20	30	
Hexachlorobenzene [2C]	0.079	0.0058	mg/Kg wet	0.0971		81.2	40-140	6.22	30	
Methoxychlor	0.079	0.049	mg/Kg wet	0.0971		81.4	40-140	8.20	30	
Methoxychlor [2C]	0.078	0.049	mg/Kg wet	0.0971		80.4	40-140	8.30	30	
Surrogate: Decachlorobiphenyl	*0.158*		mg/Kg wet	0.194		81.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.158*		mg/Kg wet	0.194		81.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.165*		mg/Kg wet	0.194		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.154*		mg/Kg wet	0.194		79.1	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B363485 - SW-846 3546										
Matrix Spike (B363485-MS1)		**Source: 24A1417-01**		Prepared: 01/16/24 Analyzed: 01/17/24						
Alachlor	0.094	0.11	mg/Kg dry	0.108	ND	87.4	30-150			
Alachlor [2C]	0.093	0.11	mg/Kg dry	0.108	ND	86.8	30-150			
Aldrin	0.085	0.027	mg/Kg dry	0.108	ND	79.1	30-150			
Aldrin [2C]	0.086	0.027	mg/Kg dry	0.108	ND	79.9	30-150			
alpha-BHC	0.086	0.027	mg/Kg dry	0.108	ND	79.8	30-150			
alpha-BHC [2C]	0.085	0.027	mg/Kg dry	0.108	ND	78.5	30-150			
beta-BHC	0.079	0.027	mg/Kg dry	0.108	ND	73.3	30-150			
beta-BHC [2C]	0.085	0.027	mg/Kg dry	0.108	ND	78.6	30-150			
delta-BHC	0.075	0.027	mg/Kg dry	0.108	ND	69.4	30-150			
delta-BHC [2C]	0.081	0.027	mg/Kg dry	0.108	ND	75.5	30-150			
gamma-BHC (Lindane)	0.084	0.011	mg/Kg dry	0.108	ND	78.3	30-150			
gamma-BHC (Lindane) [2C]	0.085	0.011	mg/Kg dry	0.108	ND	79.0	30-150			
4,4'-DDD	0.088	0.022	mg/Kg dry	0.108	ND	81.4	30-150			
4,4'-DDD [2C]	0.093	0.022	mg/Kg dry	0.108	ND	86.5	30-150			
4,4'-DDE	0.087	0.022	mg/Kg dry	0.108	ND	80.5	30-150			
4,4'-DDE [2C]	0.089	0.022	mg/Kg dry	0.108	ND	82.9	30-150			
4,4'-DDT	0.079	0.022	mg/Kg dry	0.108	ND	73.0	30-150			
4,4'-DDT [2C]	0.081	0.022	mg/Kg dry	0.108	ND	75.5	30-150			
Dieldrin	0.088	0.022	mg/Kg dry	0.108	ND	81.9	30-150			
Dieldrin [2C]	0.093	0.022	mg/Kg dry	0.108	ND	85.9	30-150			
Endosulfan I	0.084	0.027	mg/Kg dry	0.108	ND	77.5	30-150			
Endosulfan I [2C]	0.091	0.027	mg/Kg dry	0.108	ND	84.2	30-150			
Endosulfan II	0.078	0.043	mg/Kg dry	0.108	ND	72.2	30-150			
Endosulfan II [2C]	0.087	0.043	mg/Kg dry	0.108	ND	80.8	30-150			
Endosulfan Sulfate	0.080	0.043	mg/Kg dry	0.108	ND	74.7	30-150			
Endosulfan Sulfate [2C]	0.087	0.043	mg/Kg dry	0.108	ND	80.8	30-150			
Endrin	0.088	0.043	mg/Kg dry	0.108	ND	81.7	30-150			
Endrin [2C]	0.094	0.043	mg/Kg dry	0.108	ND	87.6	30-150			
Endrin Aldehyde	0.091	0.043	mg/Kg dry	0.108	ND	84.0	30-150			
Endrin Aldehyde [2C]	0.10	0.043	mg/Kg dry	0.108	ND	96.3	30-150			
Endrin Ketone	0.082	0.043	mg/Kg dry	0.108	ND	75.7	30-150			
Endrin Ketone [2C]	0.085	0.043	mg/Kg dry	0.108	ND	79.2	30-150			
Heptachlor	0.088	0.027	mg/Kg dry	0.108	ND	81.8	30-150			
Heptachlor [2C]	0.088	0.027	mg/Kg dry	0.108	ND	81.5	30-150			
Heptachlor Epoxide	0.087	0.027	mg/Kg dry	0.108	ND	81.1	30-150			
Heptachlor Epoxide [2C]	0.083	0.027	mg/Kg dry	0.108	ND	77.3	30-150			
Hexachlorobenzene	0.084	0.032	mg/Kg dry	0.108	ND	77.9	30-150			
Hexachlorobenzene [2C]	0.082	0.032	mg/Kg dry	0.108	ND	76.1	30-150			
Methoxychlor	0.079	0.27	mg/Kg dry	0.108	ND	73.5	30-150			
Methoxychlor [2C]	0.081	0.27	mg/Kg dry	0.108	ND	74.9	30-150			
Surrogate: Decachlorobiphenyl	*0.154*		mg/Kg dry	0.215		71.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.153*		mg/Kg dry	0.215		71.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.165*		mg/Kg dry	0.215		76.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg dry	0.215		73.0	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B363485 - SW-846 3546										
Matrix Spike Dup (B363485-MSD1)	**Source: 24A1417-01**		Prepared: 01/16/24 Analyzed: 01/17/24							
Alachlor	0.10	0.11	mg/Kg dry	0.108	ND	95.1	30-150	8.50	30	
Alachlor [2C]	0.11	0.11	mg/Kg dry	0.108	ND	105	30-150	19.2	30	
Aldrin	0.099	0.027	mg/Kg dry	0.108	ND	91.6	30-150	14.7	30	
Aldrin [2C]	0.10	0.027	mg/Kg dry	0.108	ND	94.2	30-150	16.4	30	
alpha-BHC	0.099	0.027	mg/Kg dry	0.108	ND	92.0	30-150	14.2	30	
alpha-BHC [2C]	0.098	0.027	mg/Kg dry	0.108	ND	91.2	30-150	14.9	30	
beta-BHC	0.092	0.027	mg/Kg dry	0.108	ND	85.5	30-150	15.5	30	
beta-BHC [2C]	0.10	0.027	mg/Kg dry	0.108	ND	92.6	30-150	16.4	30	
delta-BHC	0.089	0.027	mg/Kg dry	0.108	ND	82.5	30-150	17.2	30	
delta-BHC [2C]	0.097	0.027	mg/Kg dry	0.108	ND	90.0	30-150	17.5	30	
gamma-BHC (Lindane)	0.099	0.011	mg/Kg dry	0.108	ND	91.6	30-150	15.6	30	
gamma-BHC (Lindane) [2C]	0.10	0.011	mg/Kg dry	0.108	ND	93.0	30-150	16.3	30	
4,4'-DDD	0.10	0.022	mg/Kg dry	0.108	ND	95.2	30-150	15.7	30	
4,4'-DDD [2C]	0.11	0.022	mg/Kg dry	0.108	ND	103	30-150	17.0	30	
4,4'-DDE	0.10	0.022	mg/Kg dry	0.108	ND	93.5	30-150	15.0	30	
4,4'-DDE [2C]	0.10	0.022	mg/Kg dry	0.108	ND	94.3	30-150	12.9	30	
4,4'-DDT	0.093	0.022	mg/Kg dry	0.108	ND	86.4	30-150	16.8	30	
4,4'-DDT [2C]	0.094	0.022	mg/Kg dry	0.108	ND	87.0	30-150	14.1	30	
Dieldrin	0.10	0.022	mg/Kg dry	0.108	ND	96.0	30-150	15.9	30	
Dieldrin [2C]	0.11	0.022	mg/Kg dry	0.108	ND	102	30-150	17.3	30	
Endosulfan I	0.097	0.027	mg/Kg dry	0.108	ND	90.1	30-150	15.0	30	
Endosulfan I [2C]	0.11	0.027	mg/Kg dry	0.108	ND	99.0	30-150	16.2	30	
Endosulfan II	0.093	0.043	mg/Kg dry	0.108	ND	86.6	30-150	18.1	30	
Endosulfan II [2C]	0.10	0.043	mg/Kg dry	0.108	ND	97.2	30-150	18.5	30	
Endosulfan Sulfate	0.097	0.043	mg/Kg dry	0.108	ND	89.9	30-150	18.5	30	
Endosulfan Sulfate [2C]	0.10	0.043	mg/Kg dry	0.108	ND	97.0	30-150	18.3	30	
Endrin	0.10	0.043	mg/Kg dry	0.108	ND	94.8	30-150	14.9	30	
Endrin [2C]	0.11	0.043	mg/Kg dry	0.108	ND	103	30-150	15.8	30	
Endrin Aldehyde	0.099	0.043	mg/Kg dry	0.108	ND	92.1	30-150	9.11	30	
Endrin Aldehyde [2C]	0.11	0.043	mg/Kg dry	0.108	ND	106	30-150	9.27	30	
Endrin Ketone	0.098	0.043	mg/Kg dry	0.108	ND	91.2	30-150	18.6	30	
Endrin Ketone [2C]	0.10	0.043	mg/Kg dry	0.108	ND	93.8	30-150	16.9	30	
Heptachlor	0.10	0.027	mg/Kg dry	0.108	ND	94.6	30-150	14.5	30	
Heptachlor [2C]	0.10	0.027	mg/Kg dry	0.108	ND	95.0	30-150	15.2	30	
Heptachlor Epoxide	0.10	0.027	mg/Kg dry	0.108	ND	94.2	30-150	15.0	30	
Heptachlor Epoxide [2C]	0.099	0.027	mg/Kg dry	0.108	ND	92.0	30-150	17.4	30	
Hexachlorobenzene	0.096	0.032	mg/Kg dry	0.108	ND	89.0	30-150	13.4	30	
Hexachlorobenzene [2C]	0.096	0.032	mg/Kg dry	0.108	ND	89.4	30-150	16.1	30	
Methoxychlor	0.093	0.27	mg/Kg dry	0.108	ND	86.2	30-150	15.9	30	
Methoxychlor [2C]	0.095	0.27	mg/Kg dry	0.108	ND	88.4	30-150	16.5	30	
Surrogate: Decachlorobiphenyl	*0.169*		mg/Kg dry	0.215		78.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.178*		mg/Kg dry	0.215		82.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.186*		mg/Kg dry	0.215		86.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg dry	0.215		85.6	30-150			

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BREAKDOWN REPORT

Lab Sample ID: **S099316-PEM1** **Analyzed:** **01/17/2024**

Column Number: **1**

Analyte	% Breakdown
4,4'-DDT [1]	4.45
Endrin [1]	4.37

Column Number: **2**

Analyte	% Breakdown
4,4'-DDT [2]	4.83
Endrin [2]	4.04

BREAKDOWN REPORT

Lab Sample ID: **S099316-PEM2** **Analyzed:** **01/17/2024**

Column Number: **1**

Analyte	% Breakdown
4,4'-DDT [1]	4.93
Endrin [1]	4.90

Column Number: **2**

Analyte	% Breakdown
4,4'-DDT [2]	5.34
Endrin [2]	4.83

BREAKDOWN REPORT

Lab Sample ID: **S099316-PEM3** **Analyzed:** **01/18/2024**

Column Number: **1**

Analyte	% Breakdown
4,4'-DDT [1]	6.19
Endrin [1]	5.36

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BREAKDOWN REPORT

Lab Sample ID: **S099316-PEM3** **Analyzed:** **01/18/2024**

Column Number: **2**

Analyte	**% Breakdown**
4,4'-DDT [2]	6.73
Endrin [2]	5.14

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B363485-BS1 Date(s) Analyzed: 01/17/2024 01/17/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.814	6.781	6.841	0.10	
	2	6.838	6.806	6.866	0.10	0.0
4,4'-DDE	1	6.393	6.362	6.422	0.098	
	2	6.427	6.395	6.455	0.099	1.0
4,4'-DDT	1	7.018	6.986	7.046	0.095	
	2	7.068	7.035	7.095	0.095	0.0
Alachlor	1	5.869	5.836	5.896	0.084	
	2	5.668	5.636	5.696	0.084	0.0
Aldrin	1	5.761	5.729	5.789	0.094	
	2	5.705	5.673	5.733	0.091	3.2
alpha-BHC	1	5.124	5.092	5.152	0.095	
	2	5.080	5.049	5.109	0.090	5.4
alpha-Chlordane	1	6.327	6.294	6.354	0.092	
	2	6.323	6.291	6.351	0.095	3.2
beta-BHC	1	5.355	5.323	5.383	0.086	
	2	5.324	5.293	5.353	0.088	2.3
delta-BHC	1	5.455	5.423	5.483	0.085	
	2	5.488	5.456	5.516	0.085	0.0
Dieldrin	1	6.582	6.551	6.611	0.098	
	2	6.511	6.479	6.539	0.099	1.0
Endosulfan I	1	6.415	6.383	6.443	0.092	
	2	6.291	6.260	6.320	0.098	6.3
Endosulfan II	1	6.904	6.872	6.932	0.088	
	2	6.878	6.847	6.907	0.094	6.6
Endosulfan Sulfate	1	7.545	7.514	7.574	0.088	
	2	7.344	7.311	7.371	0.091	3.4
Endrin	1	6.743	6.711	6.771	0.096	
	2	6.722	6.690	6.750	0.10	4.1
Endrin Aldehyde	1	7.216	7.183	7.243	0.091	
	2	7.132	7.101	7.161	0.098	7.4
Endrin Ketone	1	7.755	7.723	7.783	0.088	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B363485-BS1 Date(s) Analyzed: 01/17/2024 01/17/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	7.742	7.709	7.769	0.090	2.3
gamma-BHC (Lindane)	1	5.302	5.270	5.330	0.094	
	2	5.271	5.240	5.300	0.090	4.4
gamma-Chlordane	1	6.237	6.204	6.264	0.090	
	2	6.193	6.161	6.221	0.095	5.4
Heptachlor	1	5.579	5.547	5.607	0.096	
	2	5.517	5.485	5.545	0.091	5.4
Heptachlor Epoxide	1	6.153	6.121	6.181	0.095	
	2	6.068	6.036	6.096	0.088	7.7
Hexachlorobenzene	1	5.028	4.996	5.056	0.088	
	2	5.002	4.970	5.030	0.084	4.7
Methoxychlor	1	7.401	7.369	7.429	0.086	
	2	7.618	7.586	7.646	0.085	1.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B363485-BSD1 Date(s) Analyzed: 01/17/2024 01/17/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.813	6.781	6.841	0.094	
	2	6.838	6.806	6.866	0.096	2.1
4,4'-DDE	1	6.393	6.362	6.422	0.091	
	2	6.426	6.395	6.455	0.093	2.2
4,4'-DDT	1	7.017	6.986	7.046	0.087	
	2	7.067	7.035	7.095	0.087	0.0
Alachlor	1	5.868	5.836	5.896	0.079	
	2	5.668	5.636	5.696	0.079	0.0
Aldrin	1	5.761	5.729	5.789	0.087	
	2	5.705	5.673	5.733	0.086	1.2
alpha-BHC	1	5.124	5.092	5.152	0.087	
	2	5.081	5.049	5.109	0.084	3.5
alpha-Chlordane	1	6.327	6.294	6.354	0.086	
	2	6.322	6.291	6.351	0.089	3.4
beta-BHC	1	5.355	5.323	5.383	0.080	
	2	5.325	5.293	5.353	0.081	1.2
delta-BHC	1	5.455	5.423	5.483	0.079	
	2	5.489	5.456	5.516	0.080	1.3
Dieldrin	1	6.581	6.551	6.611	0.091	
	2	6.511	6.479	6.539	0.092	1.1
Endosulfan I	1	6.415	6.383	6.443	0.085	
	2	6.291	6.260	6.320	0.091	6.8
Endosulfan II	1	6.903	6.872	6.932	0.081	
	2	6.878	6.847	6.907	0.087	7.1
Endosulfan Sulfate	1	7.545	7.514	7.574	0.083	
	2	7.343	7.311	7.371	0.086	3.6
Endrin	1	6.742	6.711	6.771	0.089	
	2	6.721	6.690	6.750	0.093	4.4
Endrin Aldehyde	1	7.216	7.183	7.243	0.083	
	2	7.132	7.101	7.161	0.091	9.2
Endrin Ketone	1	7.753	7.723	7.783	0.083	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B363485-BSD1 Date(s) Analyzed: 01/17/2024 01/17/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	7.741	7.709	7.769	0.084	1.2
gamma-BHC (Lindane)	1	5.302	5.270	5.330	0.087	
	2	5.272	5.240	5.300	0.084	3.5
gamma-Chlordane	1	6.236	6.204	6.264	0.083	
	2	6.193	6.161	6.221	0.088	5.9
Heptachlor	1	5.579	5.547	5.607	0.088	
	2	5.517	5.485	5.545	0.085	3.5
Heptachlor Epoxide	1	6.153	6.121	6.181	0.088	
	2	6.068	6.036	6.096	0.083	5.9
Hexachlorobenzene	1	5.028	4.996	5.056	0.082	
	2	5.002	4.970	5.030	0.079	3.7
Methoxychlor	1	7.400	7.369	7.429	0.079	
	2	7.616	7.586	7.646	0.078	1.3

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike

Lab Sample ID: B363485-MS1 Date(s) Analyzed: 01/17/2024 01/18/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.814	6.781	6.841	0.088	
	2	6.839	6.806	6.866	0.093	5.5
4,4'-DDE	1	6.394	6.362	6.422	0.087	
	2	6.427	6.395	6.455	0.089	2.3
4,4'-DDT	1	7.018	6.986	7.046	0.079	
	2	7.067	7.035	7.095	0.081	2.5
Alachlor	1	5.870	5.836	5.896	0.094	
	2	5.669	5.636	5.696	0.093	1.1
Aldrin	1	5.762	5.729	5.789	0.085	
	2	5.706	5.673	5.733	0.086	1.2
alpha-BHC	1	5.125	5.092	5.152	0.086	
	2	5.081	5.049	5.109	0.085	1.2
beta-BHC	1	5.356	5.323	5.383	0.079	
	2	5.326	5.293	5.353	0.085	7.3
delta-BHC	1	5.456	5.423	5.483	0.075	
	2	5.489	5.456	5.516	0.081	7.7
Dieldrin	1	6.582	6.551	6.611	0.088	
	2	6.512	6.479	6.539	0.093	5.5
Endosulfan I	1	6.415	6.383	6.443	0.084	
	2	6.292	6.260	6.320	0.091	8.0
Endosulfan II	1	6.905	6.872	6.932	0.078	
	2	6.879	6.847	6.907	0.087	10.9
Endosulfan Sulfate	1	7.547	7.514	7.574	0.080	
	2	7.344	7.311	7.371	0.087	7.1
Endrin	1	6.744	6.711	6.771	0.088	
	2	6.721	6.690	6.750	0.094	6.6
Endrin Aldehyde	1	7.207	7.184	7.244	0.091	
	2	7.127	7.101	7.161	0.10	9.4
Endrin Ketone	1	7.755	7.723	7.783	0.082	
	2	7.741	7.709	7.769	0.085	3.6
gamma-BHC (Lindane)	1	5.302	5.270	5.330	0.084	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike

Lab Sample ID: B363485-MS1 Date(s) Analyzed: 01/17/2024 01/18/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	5.272	5.240	5.300	0.085	1.2
Heptachlor	1	5.580	5.547	5.607	0.088	
	2	5.518	5.485	5.545	0.088	0.0
Heptachlor Epoxide	1	6.154	6.121	6.181	0.087	
	2	6.069	6.036	6.096	0.083	4.7
Hexachlorobenzene	1	5.029	4.996	5.056	0.084	
	2	5.003	4.970	5.030	0.082	2.4
Methoxychlor	1	7.402	7.369	7.429	0.079	
	2	7.618	7.586	7.646	0.081	2.5

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IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup

Lab Sample ID: B363485-MSD1 Date(s) Analyzed: 01/17/2024 01/18/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.807	6.781	6.841	0.10	
	2	6.834	6.806	6.866	0.11	9.5
4,4'-DDE	1	6.387	6.362	6.422	0.10	
	2	6.421	6.395	6.455	0.10	0.0
4,4'-DDT	1	7.011	6.986	7.046	0.093	
	2	7.063	7.035	7.095	0.094	1.1
Alachlor	1	5.861	5.836	5.896	0.10	
	2	5.662	5.636	5.696	0.11	9.5
Aldrin	1	5.755	5.729	5.789	0.099	
	2	5.699	5.673	5.733	0.10	1.0
alpha-BHC	1	5.117	5.092	5.152	0.099	
	2	5.075	5.049	5.109	0.098	1.0
beta-BHC	1	5.347	5.323	5.383	0.092	
	2	5.319	5.293	5.353	0.10	8.3
delta-BHC	1	5.448	5.423	5.483	0.089	
	2	5.483	5.456	5.516	0.097	8.6
Dieldrin	1	6.576	6.551	6.611	0.10	
	2	6.506	6.479	6.539	0.11	9.5
Endosulfan I	1	6.408	6.383	6.443	0.097	
	2	6.287	6.260	6.320	0.11	12.6
Endosulfan II	1	6.898	6.872	6.932	0.093	
	2	6.874	6.847	6.907	0.10	7.3
Endosulfan Sulfate	1	7.540	7.514	7.574	0.097	
	2	7.339	7.311	7.371	0.10	3.1
Endrin	1	6.736	6.711	6.771	0.10	
	2	6.717	6.690	6.750	0.11	9.5
Endrin Aldehyde	1	7.208	7.184	7.244	0.099	
	2	7.126	7.101	7.161	0.11	10.5
Endrin Ketone	1	7.748	7.723	7.783	0.098	
	2	7.737	7.709	7.769	0.10	2.0
gamma-BHC (Lindane)	1	5.295	5.270	5.330	0.099	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup

Lab Sample ID: B363485-MSD1 Date(s) Analyzed: 01/17/2024 01/18/2024

Instrument ID (1): ECD2A Instrument ID (2): ECD2B

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	5.266	5.240	5.300	0.10	1.0
Heptachlor	1	5.572	5.547	5.607	0.10	
	2	5.511	5.485	5.545	0.10	0.0
Heptachlor Epoxide	1	6.147	6.121	6.181	0.10	
	2	6.063	6.036	6.096	0.099	1.0
Hexachlorobenzene	1	5.021	4.996	5.056	0.096	
	2	4.996	4.970	5.030	0.096	0.0
Methoxychlor	1	7.395	7.369	7.429	0.093	
	2	7.613	7.586	7.646	0.095	2.1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8081B in Water	
Alachlor	NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA

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Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NC	North Carolina Div. of Water Quality	652	12/31/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024

NEW YORK CHAIN OF CUSTODY

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

Page 1 of 1

Date Rec'd in Lab: 1/4/17

ALPHA Job #:

Client Information

Client: HRP Associates, Inc.
Address: 1 Fairchild Sq Suite #110
Clifton Park, NY 12065
Phone: (518) 877 7101
Fax:
Email: Patrick.Montuori@hrpassociates.com

Project Information

Project Name: Former Independent Leather - Site Soil
Project Location: Gloversville, NY
Project # GL08016.GW
(Use Project name as Project #) ☐
Project Manager: Patrick Montuori
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 Day

Deliverables

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

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

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

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:

Please specify Metals or TAL.

ANALYSIS

TCL Pesticides 8081

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

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL Pesticides 8081	Sample Specific Comments
1	SC.1	1/15/24	0920	S	EJ	X	
2	SC.2	1/15/24	0925	"	"	X	
3	SC.3	1/15/24	0930	"	"	X	
4	SC.4	1/15/24	0940	"	"	X	
5	SC.5	1/15/24	1000	"	"	X	
6	SC.6	1/15/24	1005	"	"	X	
7	W1	1/15/24	0955	"	"	X	*Please hold
8	W2	1/15/24	1010	"	"	X	*Please hold

Container Type: 6
Preservative: U

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
	1/15/24 1500		1/15/24 1500
	1/15/24 1506		1/16/24 8:00
	1/16/24 11:30	5.1	1/16/24 1130

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.

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

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client HRP

Project Gloversville, NY

MCP/RCP Required no

Deliverable Package Requirement no

Location NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time GR 1/16/24 1130

Back-Sheet By / Date / Time GR 1/16/24 1143

Temperature Method Gun # 5

Temp < 6° C Actual Temperature 5.1

Rush Samples (Yes) / No Notify Teams

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Sample			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
16oz Amb/Clear	(Circle Amb/Clear)	Soils Jars																				
8oz Amb/Clear																						
4oz Amb/Clear										—												
2oz Amb/Clear																						
Unpreserved	1 Liter	Ambers																				
HCL																						
Sulfuric																						
Sulfuric	250mL																					
Phosphoric																						
HCl																						
Unpreserved	100mL																					
Unpreserved	1 Liter	Plastics																				
Sulfuric																						
Unpreserved	500mL																					
Sulfuric																						
Unpreserved	250mL																					
Trizma																						
Sulfuric																						
Nitric																						
NaOH																						
Ammonium Acetate																						
NaOH/Zinc																						
Unpreserved		VOA Vials																				
HCl																						
MeOH																						
D.I. Water																						
BiSulfate																						
Col/Bact		Other / Fill in																				

APPENDIX G

2024 Imported Stone and Topsoil Documentation

Cranesville Block Company, Inc.
1250 Riverfront Center
Amsterdam, NY 12010
Billing Dept. 518-684-6148
518-684-6149
EMAIL: BILLING@CRANESVILLE.COM

INVOICE

RECEIVED
JUN 24 2024
ACCOUNTS PAYABLE

INVOICE	PAGE
10857	Page 1
CUSTOMER #	DATE
1045	06/14/24

City of Gloversville-Public Wo
3 Frontage Road
Gloversville NY 12078

Job ID	Cust PO	Delivery Address	Terms
			30 Days T

Ticket No.	Date	Item Number	Description	U/M	Qty	Unit Price	Total	TX
4202206	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	18.68	16.30	304.48	1
4202206	06/14/24	AENV.42	Environmental Surcharg 1	TN	18.68	0.09	1.68	1
4202208	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	17.44	16.30	284.27	1
4202208	06/14/24	AENV.42	Environmental Surcharg 1	TN	17.44	0.09	1.57	1
4202211	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	18.31	16.30	298.45	1
4202211	06/14/24	AENV.42	Environmental Surcharg 1	TN	18.31	0.09	1.65	1
4202214	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	29.11	16.30	474.49	1
4202214	06/14/24	AENV.42	Environmental Surcharg 1	TN	29.11	0.09	2.62	1
4202215	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	17.82	16.30	290.47	1
4202215	06/14/24	AENV.42	Environmental Surcharg 1	TN	17.82	0.09	1.60	1
4202217	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	17.20	16.30	280.36	1
4202217	06/14/24	AENV.42	Environmental Surcharg 1	TN	17.20	0.09	1.55	1
4202223	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	17.36	16.30	282.97	1
4202223	06/14/24	AENV.42	Environmental Surcharg 1	TN	17.36	0.09	1.56	1
4202228	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	18.34	16.30	298.94	1
4202228	06/14/24	AENV.42	Environmental Surcharg 1	TN	18.34	0.09	1.65	1
4202231	06/14/24	ACRBL.42	RUBBLE (SUB-BASE)	TN	17.51	16.30	285.41	1
4202231	06/14/24	AENV.42	Environmental Surcharg 1	TN	17.51	0.09	1.58	1

If you would like to receive emailed invoices
Send request to: Billing@Cranesville.com
Credit Card payments please call #518-684-6004

Sub-Total		$2,815.30
Sales Tax-	22	$0.00
Invoice Total		$2,815.30

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LOWE'S HOME CENTERS, LLC
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AMSTERDAM, NY 12010 (518) 954-2400

- SALE -

SALES#: S1880UF5 3535557 TRANS#: 387038429 09-13-24

664882 8.34-SQFT SOD 3 HARMONY P	62.64
10.99 DISCOUNT EACH -0.55	
6 @ 10.44	
92432 40-LB TOP SOIL(4141546)	17.58
3.08 DISCOUNT EACH -0.15	
6 @ 2.93	
SUBTOTAL:	80.22
TOTAL TAX:	0.00
INVOICE 90958 TOTAL:	80.22
LAR:	80.22

TOTAL SAVINGS THIS TRIP: **$4.20**

LAR: XXXXXXXXXXX2962 AMOUNT: 80.22 AUTHCD: 000633
SWIPED REFID:909580 09/13/24 10:45:23
LAR PO: grass
ACCOUNT NAME: CITY OF GLOVERSVILLE
AUTH BUYER: PERKINS REXLAND

amazon business

Invoice

Invoice # **1Y6M-6WHX-CX4R** | **September 05, 2024**

For customer support, visit www.amazon.com/contact-us.

Invoice summary

Payment due by October 05, 2024

Item subtotal before tax	$ 124.99
Shipping & handling	$ 0.00
Promos & discounts	$ 0.00
Total before tax	$ 124.99
Tax	$ 0.00
Amount due	**$ 124.99 USD**

Account # A26OT4RJICNVCI

Payment terms Net 30

Purchase date 05-Sep-2024

Purchased by Devon Davis

Registered business name

City of Gloversville

Bill to

City of Gloversville
3 Frontage Road
GLOVERSVILLE, NY 12078

Ship to

Don Schwartz
3 FRONTAGE RD
GLOVERSVILLE, NY 12078-2803

Pay by

Electronic funds transfer (EFT/ACH/Wire)

Account name Amazon Capital Services, Inc.
Bank name Wells Fargo Bank
ACH routing # (ABA) [redacted]
Bank account # (DDA) [redacted]
SWIFT code (wire transfer) WFBIUS6S

Check

Amazon Capital Services
PO Box 035184
Seattle, WA 98124-5184

Include Amazon invoice number(s) in the descriptive field of your electronic funds transfer payment, or
Email ar-businessinvoicing@amazon.com to submit your remittance detail.

Invoice details

	Description	Qty	Unit price	Item subtotal before tax	Tax
1	Sandbaggy Orange Color Ground Cover | Reflects Sun Rays & Reduces Soil Temps | Up to 5°F Cooler Soil Temp Vs Black Fabric | Great as Weed Blocker Landscape Fabric (3 ft x 300 feet Roll) ASIN: B07PDQ2PH5 Sold by: Acquisition Authority Order # 111-9740945-6458662	1	$124.99	$124.99	0.000%

Total before tax	$124.99
Tax	$0.00
Amount due	**$124.99**

amazon business

Invoice

Invoice # **1Y6M-6WHX-CX4R**

FAQs

How is tax calculated?

Visit https://www.amazon.com/gp/help/customer/display.html/ref=hp_leftv4_sib?ie=UTF8&nodeId=202036190

How are digital products and services taxed?

Visit https://www.amazon.com/gp/help/customer/display.html/ref=hp_leftv4_sib?ie=UTF8&nodeId=202074670

APPENDIX H

2024 Imported Topsoil Laboratory Report

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 26, 2024

Patrick Montuori
HRP Associates - NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065

Project Location: Gloversville, NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 24I2149

Enclosed are results of analyses for samples as received by the laboratory on September 18, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino
Project Manager

Table of Contents

Table of Contents (continued)

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

HRP Associates - NY
1 Fairchild Square, Suite 110
Clifton Park, NY 12065
ATTN: Patrick Montuori

REPORT DATE: 9/26/2024

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24I2149

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Gloversville, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Soil_Cover_24	24I2149-01	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260D	
				SW-846 8270E	
				SW-846 9014	

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 7471B

Qualifications:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Mercury

B387126-BS1, B387126-BSD1

SW-846 8081B

Qualifications:

DL-03

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

24I2149-01[Soil_Cover_24]

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

24I2149-01[Soil_Cover_24], B386574-MS1, B386574-MSD1

SW-846 8260D

Qualifications:

PR-03

Sample preserved in the laboratory, not in the field as required by the method.

Analyte & Samples(s) Qualified:

24I2149-01[Soil_Cover_24]

PR-15

According to the NY ELAP program, all voa results less than 0.2mg/Kg are estimated and biased low if not collected according to SW-846 5035-L/5035A-L.

Analyte & Samples(s) Qualified:

24I2149-01[Soil_Cover_24]

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Bromomethane

24I2149-01[Soil_Cover_24], B386585-BLK1, B386585-BS1, B386585-BSD1, S110792-CCV1

V-36

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Carbon Disulfide

B386585-BS1, B386585-BSD1, S110792-CCV1

Dichlorodifluoromethane (Freon 12)

B386585-BS1, B386585-BSD1, S110792-CCV1

Methyl Acetate

B386585-BS1, B386585-BSD1, S110792-CCV1

SW-846 8270E

Qualifications:

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Benzaldehyde

24I2149-01[Soil_Cover_24], B386573-BLK1, B386573-BS1, B386573-BSD1, S110857-CCV2

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Atrazine

24I2149-01[Soil_Cover_24], B386573-BLK1, B386573-BS1, B386573-BSD1, S110857-CCV2

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Pyridine

24I2149-01[Soil_Cover_24], B386573-BLK1, B386573-BS1, B386573-BSD1, S110857-CCV1, S110946-ICV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Benzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Bromochloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Bromodichloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Bromoform	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Bromomethane	ND	0.013	mg/Kg dry	1	V-34	SW-846 8260D	9/19/24	9/19/24 8:21	MFF
2-Butanone (MEK)	ND	0.053	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
sec-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
tert-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Carbon Disulfide	ND	0.026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Chlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Chloroethane	ND	0.026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Chloroform	ND	0.0053	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Chloromethane	ND	0.013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Cyclohexane	ND	0.013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,3-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,4-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,1-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,1-Dichloroethylene	ND	0.0053	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
cis-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
trans-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
trans-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Ethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
2-Hexanone (MBK)	ND	0.026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Isopropylbenzene (Cumene)	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Methyl Acetate	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0053	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Methyl Cyclohexane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Methylene Chloride	ND	0.026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Naphthalene	ND	0.0053	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
n-Propylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Styrene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,1,2,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Tetrachloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Toluene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2,3-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2,4-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,1,1-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,1,2-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Trichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2,3-Trichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,2,4-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
1,3,5-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Vinyl Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
m+p Xylene	ND	0.0053	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
o-Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF
Xylenes (total)	ND	0.0026	mg/Kg dry	1		SW-846 8260D	9/19/24	9/19/24 8:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		9/19/24 8:21
Toluene-d8	100	70-130		9/19/24 8:21
4-Bromofluorobenzene	102	70-130		9/19/24 8:21

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,3,4,6-Tetrachlorophenol	ND	1.7	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Atrazine	ND	1.7	mg/Kg dry	1	V-06	SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Benzaldehyde	ND	0.86	mg/Kg dry	1	V-05	SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Biphenyl	ND	1.7	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Caprolactam	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Acenaphthene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Acenaphthylene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Acetophenone	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Aniline	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Anthracene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Benzo(a)anthracene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Benzo(a)pyrene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Benzo(b)fluoranthene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Benzo(g,h,i)perylene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Benzo(k)fluoranthene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Bis(2-chloroethoxy)methane	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Bis(2-chloroethyl)ether	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,2'-oxybis(1-Chloropropane)	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Bis(2-Ethylhexyl)phthalate	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
4-Bromophenylphenylether	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Butylbenzylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Carbazole	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
4-Chloroaniline	ND	1.7	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
4-Chloro-3-methylphenol	ND	1.7	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2-Chloronaphthalene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2-Chlorophenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
4-Chlorophenylphenylether	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Chrysene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Dibenz(a,h)anthracene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Dibenzofuran	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Di-n-butylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
3,3-Dichlorobenzidine	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,4-Dichlorophenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Diethylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,4-Dimethylphenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Dimethylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
4,6-Dinitro-2-methylphenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,4-Dinitrophenol	ND	1.7	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,4-Dinitrotoluene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,6-Dinitrotoluene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Di-n-octylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Fluoranthene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Fluorene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Hexachlorobenzene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Hexachlorocyclopentadiene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Hexachloroethane	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Indeno(1,2,3-cd)pyrene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Isophorone	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
1-Methylnaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2-Methylnaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2-Methylphenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
3/4-Methylphenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Naphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2-Nitroaniline	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
3-Nitroaniline	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
4-Nitroaniline	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Nitrobenzene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2-Nitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
4-Nitrophenol	ND	1.7	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
N-Nitrosodiphenylamine/Diphenylamine	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
N-Nitrosodi-n-propylamine	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Pentachlorophenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Phenanthrene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Phenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Pyrene	ND	0.43	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
Pyridine	ND	0.86	mg/Kg dry	1	V-34	SW-846 8270E	9/19/24	9/20/24 17:32	KMC
1,2,4,5-Tetrachlorobenzene	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,4,5-Trichlorophenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC
2,4,6-Trichlorophenol	ND	0.86	mg/Kg dry	1		SW-846 8270E	9/19/24	9/20/24 17:32	KMC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	64.1	30-130		9/20/24 17:32
Phenol-d6	64.5	30-130		9/20/24 17:32
Nitrobenzene-d5	62.9	30-130		9/20/24 17:32
2-Fluorobiphenyl	68.3	30-130		9/20/24 17:32
2,4,6-Tribromophenol	64.3	30-130		9/20/24 17:32
p-Terphenyl-d14	76.5	30-130		9/20/24 17:32

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane	ND	0.063	mg/Kg dry	1		SW-846 8270E	9/20/24	9/24/24 17:59	GJB

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
1,4-Dioxane-d8	38.7	15-110						9/24/24 17:59

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Sample Flags: DL-03, MS-07A

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
alpha-Chlordane [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
gamma-Chlordane [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Aldrin [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
alpha-BHC [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
beta-BHC [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
delta-BHC [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
gamma-BHC (Lindane) [1]	ND	0.013	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
4,4'-DDD [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
4,4'-DDE [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
4,4'-DDT [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Dieldrin [1]	ND	0.026	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Endosulfan I [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Endosulfan II [1]	ND	0.052	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Endosulfan sulfate [1]	ND	0.052	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Endrin [1]	ND	0.052	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Endrin aldehyde [1]	ND	0.052	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Endrin ketone [1]	ND	0.052	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Heptachlor [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Heptachlor epoxide [1]	ND	0.032	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Methoxychlor [1]	ND	0.32	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG
Toxaphene [1]	ND	0.65	mg/Kg dry	5		SW-846 8081B	9/19/24	9/20/24 14:20	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		9/20/24 14:20
Decachlorobiphenyl [2]	103	30-150		9/20/24 14:20
Tetrachloro-m-xylene [1]	88.8	30-150		9/20/24 14:20
Tetrachloro-m-xylene [2]	89.7	30-150		9/20/24 14:20

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	9/19/24	9/20/24 12:03	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		9/20/24 12:03
Decachlorobiphenyl [2]	108	30-150		9/20/24 12:03
Tetrachloro-m-xylene [1]	94.0	30-150		9/20/24 12:03
Tetrachloro-m-xylene [2]	94.7	30-150		9/20/24 12:03

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.6	3.6	mg/Kg dry	1		SW-846 6010D	9/23/24	9/24/24 15:51	HNN
Barium	34	1.8	mg/Kg dry	1		SW-846 6010D	9/23/24	9/24/24 15:51	HNN
Cadmium	ND	0.36	mg/Kg dry	1		SW-846 6010D	9/23/24	9/24/24 15:51	HNN
Chromium	8.4	0.72	mg/Kg dry	1		SW-846 6010D	9/23/24	9/24/24 15:51	HNN
Lead	13	0.54	mg/Kg dry	1		SW-846 6010D	9/23/24	9/24/24 15:51	HNN
Mercury	ND	0.031	mg/Kg dry	1		SW-846 7471B	9/24/24	9/25/24 15:53	AAJ
Selenium	ND	3.6	mg/Kg dry	1		SW-846 6010D	9/23/24	9/24/24 15:51	HNN
Silver	ND	0.36	mg/Kg dry	1		SW-846 6010D	9/23/24	9/24/24 15:51	HNN

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Project Location: Gloversville, NY | Sample Description: | Work Order: 24I2149

Date Received: 9/18/2024

Field Sample #: Soil_Cover_24 | Sampled: 9/17/2024 10:30

Sample ID: 24I2149-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.4		% Wt	1		SM 2540G	9/21/24	9/21/24 9:23	MLR
Cyanide	ND	0.65	mg/Kg dry	1		SW-846 9014	9/24/24	9/25/24 11:13	DET

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Sample Extraction Data

Prep Method:% Solids **Analytical Method:SM 2540G**

Lab Number [Field ID]	Batch	Date
24I2149-01 [Soil_Cover_24]	B386837	09/21/24

Prep Method:SW-846 3050B **Analytical Method:SW-846 6010D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B386920	1.82	50.0	09/23/24

Prep Method:SW-846 7471 **Analytical Method:SW-846 7471B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B387126	0.623	50.0	09/24/24

Prep Method:SW-846 3546 **Analytical Method:SW-846 8081B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B386574	10.1	10.0	09/19/24

Prep Method:SW-846 3546 **Analytical Method:SW-846 8082A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B386575	10.1	10.0	09/19/24

Prep Method:SW-846 5035 **Analytical Method:SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B386585	4.98	10.0	09/19/24

Prep Method:SW-846 3546 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B386573	15.5	1.00	09/19/24

Prep Method:SW-846 3546 **Analytical Method:SW-846 8270E**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B386823	20.7	1.00	09/20/24

Prep Method:SW-846 9010C **Analytical Method:SW-846 9014**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
24I2149-01 [Soil_Cover_24]	B387093	1.01	50.0	09/24/24

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386585 - SW-846 5035										
Blank (B386585-BLK1)				Prepared & Analyzed: 09/19/24						
Acetone	ND	0.10	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							V-34
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.020	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
Cyclohexane	ND	0.010	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl Acetate	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methyl Cyclohexane	ND	0.0020	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B386585 - SW-846 5035											
Blank (B386585-BLK1)				Prepared & Analyzed: 09/19/24							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Xylenes (total)	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0487*		mg/Kg wet	0.05000		97.4	70-130				
Surrogate: Toluene-d8	*0.0502*		mg/Kg wet	0.05000		100	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/Kg wet	0.05000		99.3	70-130				
LCS (B386585-BS1)				Prepared & Analyzed: 09/19/24							
Acetone	0.198	0.10	mg/Kg wet	0.2000		99.1	70-160				†
Benzene	0.0205	0.0020	mg/Kg wet	0.02000		103	70-130				
Bromochloromethane	0.0205	0.0020	mg/Kg wet	0.02000		102	70-130				
Bromodichloromethane	0.0177	0.0020	mg/Kg wet	0.02000		88.3	70-130				
Bromoform	0.0190	0.0020	mg/Kg wet	0.02000		94.9	70-130				
Bromomethane	0.0181	0.010	mg/Kg wet	0.02000		90.6	40-130			V-34	†
2-Butanone (MEK)	0.204	0.040	mg/Kg wet	0.2000		102	70-160				†
n-Butylbenzene	0.0191	0.0020	mg/Kg wet	0.02000		95.7	70-130				
sec-Butylbenzene	0.0196	0.0020	mg/Kg wet	0.02000		97.9	70-130				
tert-Butylbenzene	0.0200	0.0020	mg/Kg wet	0.02000		99.8	70-160				†
Carbon Disulfide	0.197	0.020	mg/Kg wet	0.2000		98.6	70-130			V-36	
Carbon Tetrachloride	0.0190	0.0020	mg/Kg wet	0.02000		95.0	70-130				
Chlorobenzene	0.0183	0.0020	mg/Kg wet	0.02000		91.6	70-130				
Chlorodibromomethane	0.0178	0.0010	mg/Kg wet	0.02000		89.1	70-130				
Chloroethane	0.0212	0.020	mg/Kg wet	0.02000		106	70-130				
Chloroform	0.0199	0.0040	mg/Kg wet	0.02000		99.7	70-130				
Chloromethane	0.0178	0.010	mg/Kg wet	0.02000		89.1	70-130				
Cyclohexane	0.0191	0.010	mg/Kg wet	0.02000		95.4	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0178	0.0020	mg/Kg wet	0.02000		88.9	70-130				
1,2-Dibromoethane (EDB)	0.0186	0.0010	mg/Kg wet	0.02000		92.8	70-130				
1,2-Dichlorobenzene	0.0197	0.0020	mg/Kg wet	0.02000		98.5	70-130				
1,3-Dichlorobenzene	0.0192	0.0020	mg/Kg wet	0.02000		95.8	70-130				
1,4-Dichlorobenzene	0.0185	0.0020	mg/Kg wet	0.02000		92.4	70-130				
Dichlorodifluoromethane (Freon 12)	0.0172	0.020	mg/Kg wet	0.02000		85.9	40-160			V-36	†
1,1-Dichloroethane	0.0204	0.0020	mg/Kg wet	0.02000		102	70-130				
1,2-Dichloroethane	0.0182	0.0020	mg/Kg wet	0.02000		91.2	70-130				
1,1-Dichloroethylene	0.0200	0.0040	mg/Kg wet	0.02000		100	70-130				
cis-1,2-Dichloroethylene	0.0197	0.0020	mg/Kg wet	0.02000		98.5	70-130				
trans-1,2-Dichloroethylene	0.0193	0.0020	mg/Kg wet	0.02000		96.4	70-130				
1,2-Dichloropropane	0.0186	0.0020	mg/Kg wet	0.02000		93.1	70-130				
cis-1,3-Dichloropropene	0.0189	0.0010	mg/Kg wet	0.02000		94.5	70-130				
trans-1,3-Dichloropropene	0.0183	0.0010	mg/Kg wet	0.02000		91.5	70-130				
Ethylbenzene	0.0199	0.0020	mg/Kg wet	0.02000		99.5	70-130				
2-Hexanone (MBK)	0.185	0.020	mg/Kg wet	0.2000		92.3	70-160				†
Isopropylbenzene (Cumene)	0.0198	0.0020	mg/Kg wet	0.02000		99.0	70-130				
p-Isopropyltoluene (p-Cymene)	0.0192	0.0020	mg/Kg wet	0.02000		96.1	70-130				
Methyl Acetate	0.0233	0.0020	mg/Kg wet	0.02000		116	70-130			V-36	
Methyl tert-Butyl Ether (MTBE)	0.0203	0.0040	mg/Kg wet	0.02000		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B386585 - SW-846 5035											
LCS (B386585-BS1)				Prepared & Analyzed: 09/19/24							
Methyl Cyclohexane	0.0191	0.0020	mg/Kg wet	0.02000		95.7	70-130				
Methylene Chloride	0.0190	0.020	mg/Kg wet	0.02000		95.0	40-160				†
4-Methyl-2-pentanone (MIBK)	0.194	0.020	mg/Kg wet	0.2000		97.2	70-160				†
Naphthalene	0.0186	0.0040	mg/Kg wet	0.02000		92.8	40-130				†
n-Propylbenzene	0.0199	0.0020	mg/Kg wet	0.02000		99.5	70-130				
Styrene	0.0191	0.0020	mg/Kg wet	0.02000		95.3	70-130				
1,1,2,2-Tetrachloroethane	0.0198	0.0010	mg/Kg wet	0.02000		98.9	70-130				
Tetrachloroethylene	0.0183	0.0020	mg/Kg wet	0.02000		91.3	70-130				
Toluene	0.0177	0.0020	mg/Kg wet	0.02000		88.4	70-130				
1,2,3-Trichlorobenzene	0.0181	0.0020	mg/Kg wet	0.02000		90.4	70-130				
1,2,4-Trichlorobenzene	0.0184	0.0020	mg/Kg wet	0.02000		91.9	70-130				
1,1,1-Trichloroethane	0.0200	0.0020	mg/Kg wet	0.02000		99.9	70-130				
1,1,2-Trichloroethane	0.0179	0.0020	mg/Kg wet	0.02000		89.4	70-130				
Trichloroethylene	0.0186	0.0020	mg/Kg wet	0.02000		93.1	70-130				
Trichlorofluoromethane (Freon 11)	0.0192	0.010	mg/Kg wet	0.02000		96.0	70-130				
1,2,3-Trichloropropane	0.0196	0.0020	mg/Kg wet	0.02000		98.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0190	0.010	mg/Kg wet	0.02000		95.0	70-130				
1,2,4-Trimethylbenzene	0.0189	0.0020	mg/Kg wet	0.02000		94.7	70-130				
1,3,5-Trimethylbenzene	0.0194	0.0020	mg/Kg wet	0.02000		97.1	70-130				
Vinyl Chloride	0.0191	0.010	mg/Kg wet	0.02000		95.3	40-130				†
m+p Xylene	0.0385	0.0040	mg/Kg wet	0.04000		96.3	70-130				
o-Xylene	0.0195	0.0020	mg/Kg wet	0.02000		97.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0514*		mg/Kg wet	0.05000		103	70-130				
Surrogate: Toluene-d8	*0.0493*		mg/Kg wet	0.05000		98.6	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0496*		mg/Kg wet	0.05000		99.3	70-130				
LCS Dup (B386585-BSD1)				Prepared & Analyzed: 09/19/24							
Acetone	0.191	0.10	mg/Kg wet	0.2000		95.7	70-160	3.49	25		†
Benzene	0.0195	0.0020	mg/Kg wet	0.02000		97.7	70-130	4.99	25		
Bromochloromethane	0.0197	0.0020	mg/Kg wet	0.02000		98.3	70-130	4.18	25		
Bromodichloromethane	0.0188	0.0020	mg/Kg wet	0.02000		93.8	70-130	6.04	25		
Bromoform	0.0189	0.0020	mg/Kg wet	0.02000		94.3	70-130	0.634	25		
Bromomethane	0.0168	0.010	mg/Kg wet	0.02000		83.9	40-130	7.68	25	V-34	†
2-Butanone (MEK)	0.194	0.040	mg/Kg wet	0.2000		97.1	70-160	4.99	25		†
n-Butylbenzene	0.0187	0.0020	mg/Kg wet	0.02000		93.5	70-130	2.33	25		
sec-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.02000		97.2	70-130	0.718	25		
tert-Butylbenzene	0.0196	0.0020	mg/Kg wet	0.02000		98.0	70-160	1.82	25		†
Carbon Disulfide	0.203	0.020	mg/Kg wet	0.2000		102	70-130	3.14	25	V-36	
Carbon Tetrachloride	0.0191	0.0020	mg/Kg wet	0.02000		95.4	70-130	0.420	25		
Chlorobenzene	0.0180	0.0020	mg/Kg wet	0.02000		90.2	70-130	1.54	25		
Chlorodibromomethane	0.0186	0.0010	mg/Kg wet	0.02000		93.2	70-130	4.50	25		
Chloroethane	0.0199	0.020	mg/Kg wet	0.02000		99.7	70-130	6.03	25		
Chloroform	0.0194	0.0040	mg/Kg wet	0.02000		96.9	70-130	2.85	25		
Chloromethane	0.0169	0.010	mg/Kg wet	0.02000		84.5	70-130	5.30	25		
Cyclohexane	0.0182	0.010	mg/Kg wet	0.02000		90.9	70-130	4.83	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0179	0.0020	mg/Kg wet	0.02000		89.5	70-130	0.673	25		
1,2-Dibromoethane (EDB)	0.0191	0.0010	mg/Kg wet	0.02000		95.6	70-130	2.97	25		
1,2-Dichlorobenzene	0.0193	0.0020	mg/Kg wet	0.02000		96.6	70-130	1.95	25		
1,3-Dichlorobenzene	0.0188	0.0020	mg/Kg wet	0.02000		94.2	70-130	1.68	25		
1,4-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.02000		92.0	70-130	0.434	25		
Dichlorodifluoromethane (Freon 12)	0.0154	0.020	mg/Kg wet	0.02000		76.8	40-160	11.2	25	V-36	†
1,1-Dichloroethane	0.0188	0.0020	mg/Kg wet	0.02000		93.8	70-130	8.57	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B386585 - SW-846 5035											
LCS Dup (B386585-BSD1)				Prepared & Analyzed: 09/19/24							
1,2-Dichloroethane	0.0187	0.0020	mg/Kg wet	0.02000		93.6	70-130	2.60	25		
1,1-Dichloroethylene	0.0191	0.0040	mg/Kg wet	0.02000		95.3	70-130	4.91	25		
cis-1,2-Dichloroethylene	0.0188	0.0020	mg/Kg wet	0.02000		93.8	70-130	4.89	25		
trans-1,2-Dichloroethylene	0.0189	0.0020	mg/Kg wet	0.02000		94.7	70-130	1.78	25		
1,2-Dichloropropane	0.0192	0.0020	mg/Kg wet	0.02000		96.2	70-130	3.28	25		
cis-1,3-Dichloropropene	0.0200	0.0010	mg/Kg wet	0.02000		100	70-130	5.86	25		
trans-1,3-Dichloropropene	0.0195	0.0010	mg/Kg wet	0.02000		97.6	70-130	6.45	25		
Ethylbenzene	0.0195	0.0020	mg/Kg wet	0.02000		97.3	70-130	2.24	25		
2-Hexanone (MBK)	0.195	0.020	mg/Kg wet	0.2000		97.5	70-160	5.42	25		†
Isopropylbenzene (Cumene)	0.0196	0.0020	mg/Kg wet	0.02000		98.1	70-130	0.913	25		
p-Isopropyltoluene (p-Cymene)	0.0192	0.0020	mg/Kg wet	0.02000		95.9	70-130	0.208	25		
Methyl Acetate	0.0223	0.0020	mg/Kg wet	0.02000		112	70-130	4.12	25	V-36	
Methyl tert-Butyl Ether (MTBE)	0.0193	0.0040	mg/Kg wet	0.02000		96.7	70-130	5.04	25		
Methyl Cyclohexane	0.0195	0.0020	mg/Kg wet	0.02000		97.7	70-130	2.07	25		
Methylene Chloride	0.0165	0.020	mg/Kg wet	0.02000		82.4	40-160	14.2	25		†
4-Methyl-2-pentanone (MIBK)	0.200	0.020	mg/Kg wet	0.2000		100	70-160	3.06	25		†
Naphthalene	0.0186	0.0040	mg/Kg wet	0.02000		93.1	40-130	0.323	25		†
n-Propylbenzene	0.0199	0.0020	mg/Kg wet	0.02000		99.5	70-130	0.00	25		
Styrene	0.0193	0.0020	mg/Kg wet	0.02000		96.6	70-130	1.35	25		
1,1,2,2-Tetrachloroethane	0.0198	0.0010	mg/Kg wet	0.02000		98.8	70-130	0.101	25		
Tetrachloroethylene	0.0186	0.0020	mg/Kg wet	0.02000		92.9	70-130	1.74	25		
Toluene	0.0184	0.0020	mg/Kg wet	0.02000		92.2	70-130	4.21	25		
1,2,3-Trichlorobenzene	0.0182	0.0020	mg/Kg wet	0.02000		90.9	70-130	0.552	25		
1,2,4-Trichlorobenzene	0.0179	0.0020	mg/Kg wet	0.02000		89.5	70-130	2.65	25		
1,1,1-Trichloroethane	0.0187	0.0020	mg/Kg wet	0.02000		93.7	70-130	6.40	25		
1,1,2-Trichloroethane	0.0185	0.0020	mg/Kg wet	0.02000		92.6	70-130	3.52	25		
Trichloroethylene	0.0193	0.0020	mg/Kg wet	0.02000		96.4	70-130	3.48	25		
Trichlorofluoromethane (Freon 11)	0.0185	0.010	mg/Kg wet	0.02000		92.4	70-130	3.82	25		
1,2,3-Trichloropropane	0.0199	0.0020	mg/Kg wet	0.02000		99.5	70-130	1.32	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0181	0.010	mg/Kg wet	0.02000		90.5	70-130	4.85	25		
1,2,4-Trimethylbenzene	0.0186	0.0020	mg/Kg wet	0.02000		92.8	70-130	2.03	25		
1,3,5-Trimethylbenzene	0.0189	0.0020	mg/Kg wet	0.02000		94.7	70-130	2.50	25		
Vinyl Chloride	0.0177	0.010	mg/Kg wet	0.02000		88.6	40-130	7.29	25		†
m+p Xylene	0.0383	0.0040	mg/Kg wet	0.04000		95.8	70-130	0.468	25		
o-Xylene	0.0194	0.0020	mg/Kg wet	0.02000		97.0	70-130	0.412	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0486*		mg/Kg wet	0.05000		97.2	70-130				
Surrogate: Toluene-d8	*0.0517*		mg/Kg wet	0.05000		103	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0484*		mg/Kg wet	0.05000		96.9	70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386573 - SW-846 3546										
Blank (B386573-BLK1)				Prepared: 09/19/24 Analyzed: 09/20/24						
2,3,4,6-Tetrachlorophenol	ND	0.66	mg/Kg wet							
Atrazine	ND	0.66	mg/Kg wet							V-06
Benzaldehyde	ND	0.33	mg/Kg wet							V-05
Biphenyl	ND	0.66	mg/Kg wet							
Caprolactam	ND	0.33	mg/Kg wet							
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.33	mg/Kg wet							
Aniline	ND	0.33	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.33	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.33	mg/Kg wet							
2,2'-oxybis(1-Chloropropane)	ND	0.33	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.33	mg/Kg wet							
4-Bromophenylphenylether	ND	0.33	mg/Kg wet							
Butylbenzylphthalate	ND	0.33	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.65	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.65	mg/Kg wet							
2-Chloronaphthalene	ND	0.33	mg/Kg wet							
2-Chlorophenol	ND	0.33	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.33	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.33	mg/Kg wet							
Di-n-butylphthalate	ND	0.33	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.33	mg/Kg wet							
Diethylphthalate	ND	0.33	mg/Kg wet							
2,4-Dimethylphenol	ND	0.33	mg/Kg wet							
Dimethylphthalate	ND	0.33	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.33	mg/Kg wet							
2,4-Dinitrophenol	ND	0.65	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.33	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.33	mg/Kg wet							
Di-n-octylphthalate	ND	0.33	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.33	mg/Kg wet							
Hexachlorobutadiene	ND	0.33	mg/Kg wet							
Hexachlorocyclopentadiene	ND	0.33	mg/Kg wet							
Hexachloroethane	ND	0.33	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.33	mg/Kg wet							
1-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.33	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B386573 - SW-846 3546											
Blank (B386573-BLK1)				Prepared: 09/19/24 Analyzed: 09/20/24							
3/4-Methylphenol	ND	0.33	mg/Kg wet								
Naphthalene	ND	0.17	mg/Kg wet								
2-Nitroaniline	ND	0.33	mg/Kg wet								
3-Nitroaniline	ND	0.33	mg/Kg wet								
4-Nitroaniline	ND	0.33	mg/Kg wet								
Nitrobenzene	ND	0.33	mg/Kg wet								
2-Nitrophenol	ND	0.33	mg/Kg wet								
4-Nitrophenol	ND	0.65	mg/Kg wet								
N-Nitrosodiphenylamine/Diphenylamine	ND	0.33	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.33	mg/Kg wet								
Pentachlorophenol	ND	0.33	mg/Kg wet								
Phenanthrene	ND	0.17	mg/Kg wet								
Phenol	ND	0.33	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
Pyridine	ND	0.33	mg/Kg wet							V-34	
1,2,4,5-Tetrachlorobenzene	ND	0.33	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.33	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.33	mg/Kg wet								
Surrogate: 2-Fluorophenol	*5.33*		mg/Kg wet	6.540		81.5	30-130				
Surrogate: Phenol-d6	*5.12*		mg/Kg wet	6.540		78.3	30-130				
Surrogate: Nitrobenzene-d5	*2.58*		mg/Kg wet	3.270		79.0	30-130				
Surrogate: 2-Fluorobiphenyl	*2.56*		mg/Kg wet	3.270		78.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.11*		mg/Kg wet	6.540		78.1	30-130				
Surrogate: p-Terphenyl-d14	*3.16*		mg/Kg wet	3.270		96.5	30-130				
LCS (B386573-BS1)				Prepared: 09/19/24 Analyzed: 09/20/24							
2,3,4,6-Tetrachlorophenol	1.67	0.66	mg/Kg wet	1.640		102	40-140				
Atrazine	1.69	0.66	mg/Kg wet	1.640		103	40-140			V-06	
Benzaldehyde	1.40	0.33	mg/Kg wet	1.640		85.2	40-140			V-05	
Biphenyl	1.53	0.66	mg/Kg wet	1.640		93.1	40-140				
Caprolactam	1.78	0.33	mg/Kg wet	1.640		109	40-140				
Acenaphthene	1.43	0.17	mg/Kg wet	1.640		87.2	40-140				
Acenaphthylene	1.52	0.17	mg/Kg wet	1.640		92.8	40-140				
Acetophenone	1.29	0.33	mg/Kg wet	1.640		78.7	40-140				
Aniline	1.41	0.33	mg/Kg wet	1.640		85.8	10-140				†
Anthracene	1.43	0.17	mg/Kg wet	1.640		87.4	40-140				
Benzo(a)anthracene	1.46	0.17	mg/Kg wet	1.640		88.7	40-140				
Benzo(a)pyrene	1.40	0.17	mg/Kg wet	1.640		85.2	40-140				
Benzo(b)fluoranthene	1.29	0.17	mg/Kg wet	1.640		78.5	40-140				
Benzo(g,h,i)perylene	1.68	0.17	mg/Kg wet	1.640		102	40-140				
Benzo(k)fluoranthene	1.52	0.17	mg/Kg wet	1.640		92.6	40-140				
Bis(2-chloroethoxy)methane	1.43	0.33	mg/Kg wet	1.640		87.3	40-140				
Bis(2-chloroethyl)ether	1.55	0.33	mg/Kg wet	1.640		94.3	40-140				
2,2'-oxybis(1-Chloropropane)	1.61	0.33	mg/Kg wet	1.640		98.4	40-140				
Bis(2-Ethylhexyl)phthalate	1.49	0.33	mg/Kg wet	1.640		90.7	40-140				
4-Bromophenylphenylether	1.47	0.33	mg/Kg wet	1.640		89.6	40-140				
Butylbenzylphthalate	1.50	0.33	mg/Kg wet	1.640		91.2	40-140				
Carbazole	1.45	0.17	mg/Kg wet	1.640		88.3	40-140				
4-Chloroaniline	1.07	0.65	mg/Kg wet	1.640		65.2	10-140				†
4-Chloro-3-methylphenol	1.39	0.65	mg/Kg wet	1.640		84.9	30-130				
2-Chloronaphthalene	1.30	0.33	mg/Kg wet	1.640		79.1	40-140				
2-Chlorophenol	1.31	0.33	mg/Kg wet	1.640		80.1	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B386573 - SW-846 3546											
LCS (B386573-BS1)				Prepared: 09/19/24 Analyzed: 09/20/24							
4-Chlorophenylphenylether	1.47	0.33	mg/Kg wet	1.640		89.9	40-140				
Chrysene	1.42	0.17	mg/Kg wet	1.640		86.3	40-140				
Dibenz(a,h)anthracene	1.57	0.17	mg/Kg wet	1.640		95.4	40-140				
Dibenzofuran	1.48	0.33	mg/Kg wet	1.640		90.5	40-140				
Di-n-butylphthalate	1.44	0.33	mg/Kg wet	1.640		87.8	40-140				
3,3-Dichlorobenzidine	0.694	0.17	mg/Kg wet	1.640		42.3	20-140				†
2,4-Dichlorophenol	1.35	0.33	mg/Kg wet	1.640		82.2	30-130				
Diethylphthalate	1.45	0.33	mg/Kg wet	1.640		88.1	40-140				
2,4-Dimethylphenol	1.47	0.33	mg/Kg wet	1.640		89.4	30-130				
Dimethylphthalate	1.51	0.33	mg/Kg wet	1.640		92.3	40-140				
4,6-Dinitro-2-methylphenol	1.35	0.33	mg/Kg wet	1.640		82.3	30-130				
2,4-Dinitrophenol	1.07	0.65	mg/Kg wet	1.640		65.0	30-130				
2,4-Dinitrotoluene	1.44	0.33	mg/Kg wet	1.640		88.1	40-140				
2,6-Dinitrotoluene	1.43	0.33	mg/Kg wet	1.640		87.3	40-140				
Di-n-octylphthalate	1.44	0.33	mg/Kg wet	1.640		87.6	40-140				
Fluoranthene	1.39	0.17	mg/Kg wet	1.640		84.5	40-140				
Fluorene	1.37	0.17	mg/Kg wet	1.640		83.6	40-140				
Hexachlorobenzene	1.40	0.33	mg/Kg wet	1.640		85.3	40-140				
Hexachlorobutadiene	1.26	0.33	mg/Kg wet	1.640		77.0	40-140				
Hexachlorocyclopentadiene	1.43	0.33	mg/Kg wet	1.640		87.2	40-140				
Hexachloroethane	1.32	0.33	mg/Kg wet	1.640		80.2	40-140				
Indeno(1,2,3-cd)pyrene	1.64	0.17	mg/Kg wet	1.640		100	40-140				
Isophorone	1.53	0.33	mg/Kg wet	1.640		93.4	40-140				
1-Methylnaphthalene	1.36	0.17	mg/Kg wet	1.640		82.8	40-140				
2-Methylnaphthalene	1.29	0.17	mg/Kg wet	1.640		78.9	40-140				
2-Methylphenol	1.34	0.33	mg/Kg wet	1.640		81.9	30-130				
3/4-Methylphenol	1.37	0.33	mg/Kg wet	1.640		83.7	30-130				
Naphthalene	1.37	0.17	mg/Kg wet	1.640		83.5	40-140				
2-Nitroaniline	1.60	0.33	mg/Kg wet	1.640		97.8	40-140				
3-Nitroaniline	1.35	0.33	mg/Kg wet	1.640		82.1	30-140				†
4-Nitroaniline	1.46	0.33	mg/Kg wet	1.640		88.9	40-140				
Nitrobenzene	1.40	0.33	mg/Kg wet	1.640		85.1	40-140				
2-Nitrophenol	1.31	0.33	mg/Kg wet	1.640		79.6	30-130				
4-Nitrophenol	1.50	0.65	mg/Kg wet	1.640		91.7	30-130				
N-Nitrosodiphenylamine/Diphenylamine	1.49	0.33	mg/Kg wet	1.640		90.9	40-140				
N-Nitrosodi-n-propylamine	1.37	0.33	mg/Kg wet	1.640		83.6	40-140				
Pentachlorophenol	1.27	0.33	mg/Kg wet	1.640		77.6	30-130				
Phenanthrene	1.42	0.17	mg/Kg wet	1.640		86.4	40-140				
Phenol	1.29	0.33	mg/Kg wet	1.640		78.8	30-130				
Pyrene	1.41	0.17	mg/Kg wet	1.640		85.7	40-140				
Pyridine	0.567	0.33	mg/Kg wet	1.640		34.6	30-140			V-34	†
1,2,4,5-Tetrachlorobenzene	1.41	0.33	mg/Kg wet	1.640		86.1	40-140				
2,4,5-Trichlorophenol	1.45	0.33	mg/Kg wet	1.640		88.5	30-130				
2,4,6-Trichlorophenol	1.38	0.33	mg/Kg wet	1.640		84.3	30-130				
Surrogate: 2-Fluorophenol	*5.24*		mg/Kg wet	6.560		79.8	30-130				
Surrogate: Phenol-d6	*5.08*		mg/Kg wet	6.560		77.4	30-130				
Surrogate: Nitrobenzene-d5	*2.53*		mg/Kg wet	3.280		77.0	30-130				
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.280		80.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.50*		mg/Kg wet	6.560		83.9	30-130				
Surrogate: p-Terphenyl-d14	*2.72*		mg/Kg wet	3.280		83.0	30-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B386573 - SW-846 3546											
LCS Dup (B386573-BSD1)				Prepared: 09/19/24 Analyzed: 09/20/24							
2,3,4,6-Tetrachlorophenol	1.75	0.66	mg/Kg wet	1.637		107	40-140	4.32	20		
Atrazine	1.78	0.66	mg/Kg wet	1.637		109	40-140	5.12	30	V-06	
Benzaldehyde	1.42	0.33	mg/Kg wet	1.637		86.7	40-140	1.51	20	V-05	
Biphenyl	1.55	0.66	mg/Kg wet	1.637		94.6	40-140	1.46	20		
Caprolactam	1.77	0.33	mg/Kg wet	1.637		108	40-140	0.330	20		
Acenaphthene	1.47	0.17	mg/Kg wet	1.637		90.0	40-140	3.02	30		
Acenaphthylene	1.58	0.17	mg/Kg wet	1.637		96.8	40-140	4.01	30		
Acetophenone	1.35	0.33	mg/Kg wet	1.637		82.7	40-140	4.74	30		
Aniline	1.52	0.33	mg/Kg wet	1.637		92.9	10-140	7.85	50		† ‡
Anthracene	1.58	0.17	mg/Kg wet	1.637		96.7	40-140	10.0	30		
Benzo(a)anthracene	1.56	0.17	mg/Kg wet	1.637		95.0	40-140	6.69	30		
Benzo(a)pyrene	1.52	0.17	mg/Kg wet	1.637		92.6	40-140	8.16	30		
Benzo(b)fluoranthene	1.40	0.17	mg/Kg wet	1.637		85.6	40-140	8.42	30		
Benzo(g,h,i)perylene	1.90	0.17	mg/Kg wet	1.637		116	40-140	12.5	30		
Benzo(k)fluoranthene	1.63	0.17	mg/Kg wet	1.637		99.7	40-140	7.22	30		
Bis(2-chloroethoxy)methane	1.51	0.33	mg/Kg wet	1.637		92.3	40-140	5.42	30		
Bis(2-chloroethyl)ether	1.52	0.33	mg/Kg wet	1.637		92.7	40-140	1.92	30		
2,2'-oxybis(1-Chloropropane)	1.65	0.33	mg/Kg wet	1.637		101	40-140	2.19	30		
Bis(2-Ethylhexyl)phthalate	1.98	0.33	mg/Kg wet	1.637		121	40-140	28.6	30		
4-Bromophenylphenylether	1.69	0.33	mg/Kg wet	1.637		103	40-140	14.1	30		
Butylbenzylphthalate	1.79	0.33	mg/Kg wet	1.637		109	40-140	17.9	30		
Carbazole	1.51	0.17	mg/Kg wet	1.637		92.2	40-140	4.22	30		
4-Chloroaniline	1.22	0.65	mg/Kg wet	1.637		74.2	10-140	12.8	30		†
4-Chloro-3-methylphenol	1.54	0.65	mg/Kg wet	1.637		94.2	30-130	10.2	30		
2-Chloronaphthalene	1.31	0.33	mg/Kg wet	1.637		79.9	40-140	0.867	30		
2-Chlorophenol	1.35	0.33	mg/Kg wet	1.637		82.5	30-130	2.81	30		
4-Chlorophenylphenylether	1.63	0.33	mg/Kg wet	1.637		99.5	40-140	9.97	30		
Chrysene	1.49	0.17	mg/Kg wet	1.637		91.2	40-140	5.36	30		
Dibenz(a,h)anthracene	1.77	0.17	mg/Kg wet	1.637		108	40-140	12.1	30		
Dibenzofuran	1.58	0.33	mg/Kg wet	1.637		96.3	40-140	6.04	30		
Di-n-butylphthalate	1.67	0.33	mg/Kg wet	1.637		102	40-140	14.8	30		
3,3-Dichlorobenzidine	0.779	0.17	mg/Kg wet	1.637		47.6	20-140	11.6	50		† ‡
2,4-Dichlorophenol	1.40	0.33	mg/Kg wet	1.637		85.5	30-130	3.87	30		
Diethylphthalate	1.63	0.33	mg/Kg wet	1.637		99.6	40-140	12.1	30		
2,4-Dimethylphenol	1.49	0.33	mg/Kg wet	1.637		90.7	30-130	1.30	30		
Dimethylphthalate	1.65	0.33	mg/Kg wet	1.637		101	40-140	8.34	30		
4,6-Dinitro-2-methylphenol	1.48	0.33	mg/Kg wet	1.637		90.2	30-130	9.00	30		
2,4-Dinitrophenol	1.13	0.65	mg/Kg wet	1.637		69.0	30-130	5.87	30		
2,4-Dinitrotoluene	1.55	0.33	mg/Kg wet	1.637		94.6	40-140	7.00	30		
2,6-Dinitrotoluene	1.60	0.33	mg/Kg wet	1.637		97.6	40-140	11.0	30		
Di-n-octylphthalate	1.88	0.33	mg/Kg wet	1.637		115	40-140	27.0	30		
Fluoranthene	1.50	0.17	mg/Kg wet	1.637		91.4	40-140	7.68	30		
Fluorene	1.46	0.17	mg/Kg wet	1.637		89.1	40-140	6.14	30		
Hexachlorobenzene	1.66	0.33	mg/Kg wet	1.637		101	40-140	17.1	30		
Hexachlorobutadiene	1.32	0.33	mg/Kg wet	1.637		80.9	40-140	4.80	30		
Hexachlorocyclopentadiene	1.38	0.33	mg/Kg wet	1.637		84.4	40-140	3.50	30		
Hexachloroethane	1.34	0.33	mg/Kg wet	1.637		81.8	40-140	1.84	30		
Indeno(1,2,3-cd)pyrene	1.83	0.17	mg/Kg wet	1.637		112	40-140	10.7	30		
Isophorone	1.55	0.33	mg/Kg wet	1.637		94.6	40-140	1.15	30		
1-Methylnaphthalene	1.42	0.17	mg/Kg wet	1.637		86.8	40-140	4.58	30		
2-Methylnaphthalene	1.32	0.17	mg/Kg wet	1.637		80.9	40-140	2.26	30		
2-Methylphenol	1.38	0.33	mg/Kg wet	1.637		84.5	30-130	2.89	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B386573 - SW-846 3546											
LCS Dup (B386573-BSD1)				Prepared: 09/19/24 Analyzed: 09/20/24							
3/4-Methylphenol	1.43	0.33	mg/Kg wet	1.637		87.5	30-130	4.30	30		
Naphthalene	1.33	0.17	mg/Kg wet	1.637		81.5	40-140	2.52	30		
2-Nitroaniline	1.70	0.33	mg/Kg wet	1.637		104	40-140	5.62	30		
3-Nitroaniline	1.47	0.33	mg/Kg wet	1.637		89.7	30-140	8.73	30		†
4-Nitroaniline	1.49	0.33	mg/Kg wet	1.637		91.0	40-140	2.22	30		
Nitrobenzene	1.42	0.33	mg/Kg wet	1.637		86.6	40-140	1.51	30		
2-Nitrophenol	1.34	0.33	mg/Kg wet	1.637		81.8	30-130	2.54	30		
4-Nitrophenol	1.62	0.65	mg/Kg wet	1.637		99.1	30-130	7.53	50		‡
N-Nitrosodiphenylamine/Diphenylamine	1.71	0.33	mg/Kg wet	1.637		105	40-140	13.9	30		
N-Nitrosodi-n-propylamine	1.42	0.33	mg/Kg wet	1.637		86.8	40-140	3.69	30		
Pentachlorophenol	1.36	0.33	mg/Kg wet	1.637		83.3	30-130	6.85	30		
Phenanthrene	1.54	0.17	mg/Kg wet	1.637		94.2	40-140	8.50	30		
Phenol	1.33	0.33	mg/Kg wet	1.637		81.0	30-130	2.64	30		
Pyrene	1.53	0.17	mg/Kg wet	1.637		93.7	40-140	8.73	30		
Pyridine	0.610	0.33	mg/Kg wet	1.637		37.3	30-140	7.24	30	V-34	†
1,2,4,5-Tetrachlorobenzene	1.39	0.33	mg/Kg wet	1.637		84.6	40-140	1.92	30		
2,4,5-Trichlorophenol	1.55	0.33	mg/Kg wet	1.637		94.9	30-130	6.75	30		
2,4,6-Trichlorophenol	1.54	0.33	mg/Kg wet	1.637		93.8	30-130	10.6	30		
Surrogate: 2-Fluorophenol	*5.35*		mg/Kg wet	6.549		81.8	30-130				
Surrogate: Phenol-d6	*5.20*		mg/Kg wet	6.549		79.4	30-130				
Surrogate: Nitrobenzene-d5	*2.44*		mg/Kg wet	3.274		74.4	30-130				
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.274		80.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.71*		mg/Kg wet	6.549		87.1	30-130				
Surrogate: p-Terphenyl-d14	*3.00*		mg/Kg wet	3.274		91.5	30-130				

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QUALITY CONTROL

1,4-Dioxane by isotope dilution GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386823 - SW-846 3546										
Blank (B386823-BLK1)				Prepared: 09/20/24 Analyzed: 09/24/24						
1,4-Dioxane	ND	0.050	mg/Kg wet							
Surrogate: 1,4-Dioxane-d8	*0.227*		mg/Kg wet	0.4955		45.9	15-110			
LCS (B386823-BS1)				Prepared: 09/20/24 Analyzed: 09/24/24						
1,4-Dioxane	0.450	0.049	mg/Kg wet	0.4946		90.9	40-140			
Surrogate: 1,4-Dioxane-d8	*0.227*		mg/Kg wet	0.4946		46.0	15-110			
LCS Dup (B386823-BSD1)				Prepared: 09/20/24 Analyzed: 09/24/24						
1,4-Dioxane	0.447	0.049	mg/Kg wet	0.4933		90.6	40-140	0.611	30	
Surrogate: 1,4-Dioxane-d8	*0.187*		mg/Kg wet	0.4933		37.9	15-110			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386574 - SW-846 3546										
Blank (B386574-BLK1)				Prepared: 09/19/24 Analyzed: 09/20/24						
alpha-Chlordane	ND	0.0049	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0049	mg/Kg wet							
gamma-Chlordane	ND	0.0049	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0049	mg/Kg wet							
Aldrin	ND	0.0049	mg/Kg wet							
Aldrin [2C]	ND	0.0049	mg/Kg wet							
alpha-BHC	ND	0.0049	mg/Kg wet							
alpha-BHC [2C]	ND	0.0049	mg/Kg wet							
beta-BHC	ND	0.0049	mg/Kg wet							
beta-BHC [2C]	ND	0.0049	mg/Kg wet							
delta-BHC	ND	0.0049	mg/Kg wet							
delta-BHC [2C]	ND	0.0049	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0019	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0019	mg/Kg wet							
4,4'-DDD	ND	0.0039	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0039	mg/Kg wet							
4,4'-DDE	ND	0.0039	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0039	mg/Kg wet							
4,4'-DDT	ND	0.0039	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0039	mg/Kg wet							
Dieldrin	ND	0.0039	mg/Kg wet							
Dieldrin [2C]	ND	0.0039	mg/Kg wet							
Endosulfan I	ND	0.0049	mg/Kg wet							
Endosulfan I [2C]	ND	0.0049	mg/Kg wet							
Endosulfan II	ND	0.0078	mg/Kg wet							
Endosulfan II [2C]	ND	0.0078	mg/Kg wet							
Endosulfan Sulfate	ND	0.0078	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0078	mg/Kg wet							
Endrin	ND	0.0078	mg/Kg wet							
Endrin [2C]	ND	0.0078	mg/Kg wet							
Endrin Aldehyde	ND	0.0078	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0078	mg/Kg wet							
Endrin Ketone	ND	0.0078	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0078	mg/Kg wet							
Heptachlor	ND	0.0049	mg/Kg wet							
Heptachlor [2C]	ND	0.0049	mg/Kg wet							
Heptachlor Epoxide	ND	0.0049	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0049	mg/Kg wet							
Methoxychlor	ND	0.049	mg/Kg wet							
Methoxychlor [2C]	ND	0.049	mg/Kg wet							
Toxaphene	ND	0.097	mg/Kg wet							
Toxaphene [2C]	ND	0.097	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg wet	0.1946		99.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg wet	0.1946		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.154*		mg/Kg wet	0.1946		79.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.159*		mg/Kg wet	0.1946		81.9	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386574 - SW-846 3546										
LCS (B386574-BS1)				Prepared: 09/19/24 Analyzed: 09/20/24						
alpha-Chlordane	0.067	0.0049	mg/Kg wet	0.09804		68.4	40-140			
alpha-Chlordane [2C]	0.071	0.0049	mg/Kg wet	0.09804		72.6	40-140			
gamma-Chlordane	0.067	0.0049	mg/Kg wet	0.09804		68.1	40-140			
gamma-Chlordane [2C]	0.070	0.0049	mg/Kg wet	0.09804		71.8	40-140			
Aldrin	0.065	0.0049	mg/Kg wet	0.09804		66.3	40-140			
Aldrin [2C]	0.068	0.0049	mg/Kg wet	0.09804		69.2	40-140			
alpha-BHC	0.065	0.0049	mg/Kg wet	0.09804		66.3	40-140			
alpha-BHC [2C]	0.068	0.0049	mg/Kg wet	0.09804		69.4	40-140			
beta-BHC	0.065	0.0049	mg/Kg wet	0.09804		66.7	40-140			
beta-BHC [2C]	0.065	0.0049	mg/Kg wet	0.09804		66.4	40-140			
delta-BHC	0.058	0.0049	mg/Kg wet	0.09804		59.5	40-140			
delta-BHC [2C]	0.058	0.0049	mg/Kg wet	0.09804		59.2	40-140			
gamma-BHC (Lindane)	0.063	0.0020	mg/Kg wet	0.09804		64.0	40-140			
gamma-BHC (Lindane) [2C]	0.065	0.0020	mg/Kg wet	0.09804		66.5	40-140			
4,4'-DDD	0.074	0.0039	mg/Kg wet	0.09804		75.2	40-140			
4,4'-DDD [2C]	0.076	0.0039	mg/Kg wet	0.09804		78.0	40-140			
4,4'-DDE	0.071	0.0039	mg/Kg wet	0.09804		72.7	40-140			
4,4'-DDE [2C]	0.074	0.0039	mg/Kg wet	0.09804		76.0	40-140			
4,4'-DDT	0.073	0.0039	mg/Kg wet	0.09804		74.7	40-140			
4,4'-DDT [2C]	0.073	0.0039	mg/Kg wet	0.09804		74.8	40-140			
Dieldrin	0.069	0.0039	mg/Kg wet	0.09804		69.9	40-140			
Dieldrin [2C]	0.073	0.0039	mg/Kg wet	0.09804		74.8	40-140			
Endosulfan I	0.069	0.0049	mg/Kg wet	0.09804		70.0	40-140			
Endosulfan I [2C]	0.073	0.0049	mg/Kg wet	0.09804		74.0	40-140			
Endosulfan II	0.069	0.0078	mg/Kg wet	0.09804		70.6	40-140			
Endosulfan II [2C]	0.072	0.0078	mg/Kg wet	0.09804		73.9	40-140			
Endosulfan Sulfate	0.066	0.0078	mg/Kg wet	0.09804		67.4	40-140			
Endosulfan Sulfate [2C]	0.072	0.0078	mg/Kg wet	0.09804		73.7	40-140			
Endrin	0.071	0.0078	mg/Kg wet	0.09804		72.7	40-140			
Endrin [2C]	0.073	0.0078	mg/Kg wet	0.09804		74.0	40-140			
Endrin Aldehyde	0.061	0.0078	mg/Kg wet	0.09804		62.2	40-140			
Endrin Aldehyde [2C]	0.064	0.0078	mg/Kg wet	0.09804		65.0	40-140			
Endrin Ketone	0.073	0.0078	mg/Kg wet	0.09804		74.6	40-140			
Endrin Ketone [2C]	0.072	0.0078	mg/Kg wet	0.09804		73.9	40-140			
Heptachlor	0.066	0.0049	mg/Kg wet	0.09804		67.8	40-140			
Heptachlor [2C]	0.069	0.0049	mg/Kg wet	0.09804		70.1	40-140			
Heptachlor Epoxide	0.067	0.0049	mg/Kg wet	0.09804		68.7	40-140			
Heptachlor Epoxide [2C]	0.070	0.0049	mg/Kg wet	0.09804		71.2	40-140			
Methoxychlor	0.067	0.049	mg/Kg wet	0.09804		68.4	40-140			
Methoxychlor [2C]	0.069	0.049	mg/Kg wet	0.09804		70.8	40-140			
Surrogate: Decachlorobiphenyl	*0.203*		mg/Kg wet	0.1961		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.1961		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.156*		mg/Kg wet	0.1961		79.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.159*		mg/Kg wet	0.1961		81.0	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386574 - SW-846 3546										
LCS Dup (B386574-BSD1)				Prepared: 09/19/24 Analyzed: 09/20/24						
alpha-Chlordane	0.069	0.0049	mg/Kg wet	0.09747		70.5	40-140	2.46	30	
alpha-Chlordane [2C]	0.073	0.0049	mg/Kg wet	0.09747		74.7	40-140	2.23	30	
gamma-Chlordane	0.068	0.0049	mg/Kg wet	0.09747		69.8	40-140	1.78	30	
gamma-Chlordane [2C]	0.072	0.0049	mg/Kg wet	0.09747		73.9	40-140	2.27	30	
Aldrin	0.065	0.0049	mg/Kg wet	0.09747		66.4	40-140	0.303	30	
Aldrin [2C]	0.068	0.0049	mg/Kg wet	0.09747		70.1	40-140	0.689	30	
alpha-BHC	0.064	0.0049	mg/Kg wet	0.09747		65.8	40-140	1.47	30	
alpha-BHC [2C]	0.069	0.0049	mg/Kg wet	0.09747		70.8	40-140	1.32	30	
beta-BHC	0.066	0.0049	mg/Kg wet	0.09747		67.4	40-140	0.504	30	
beta-BHC [2C]	0.068	0.0049	mg/Kg wet	0.09747		69.8	40-140	4.41	30	
delta-BHC	0.061	0.0049	mg/Kg wet	0.09747		62.1	40-140	3.65	30	
delta-BHC [2C]	0.061	0.0049	mg/Kg wet	0.09747		62.2	40-140	4.20	30	
gamma-BHC (Lindane)	0.062	0.0019	mg/Kg wet	0.09747		63.2	40-140	1.87	30	
gamma-BHC (Lindane) [2C]	0.065	0.0019	mg/Kg wet	0.09747		67.0	40-140	0.245	30	
4,4'-DDD	0.078	0.0039	mg/Kg wet	0.09747		80.2	40-140	5.82	30	
4,4'-DDD [2C]	0.081	0.0039	mg/Kg wet	0.09747		83.2	40-140	5.92	30	
4,4'-DDE	0.074	0.0039	mg/Kg wet	0.09747		75.9	40-140	3.75	30	
4,4'-DDE [2C]	0.077	0.0039	mg/Kg wet	0.09747		79.2	40-140	3.56	30	
4,4'-DDT	0.078	0.0039	mg/Kg wet	0.09747		79.6	40-140	5.79	30	
4,4'-DDT [2C]	0.077	0.0039	mg/Kg wet	0.09747		79.2	40-140	5.08	30	
Dieldrin	0.070	0.0039	mg/Kg wet	0.09747		72.2	40-140	2.61	30	
Dieldrin [2C]	0.075	0.0039	mg/Kg wet	0.09747		77.2	40-140	2.58	30	
Endosulfan I	0.070	0.0049	mg/Kg wet	0.09747		71.9	40-140	2.02	30	
Endosulfan I [2C]	0.074	0.0049	mg/Kg wet	0.09747		75.8	40-140	1.83	30	
Endosulfan II	0.073	0.0078	mg/Kg wet	0.09747		74.4	40-140	4.74	30	
Endosulfan II [2C]	0.076	0.0078	mg/Kg wet	0.09747		78.2	40-140	5.04	30	
Endosulfan Sulfate	0.070	0.0078	mg/Kg wet	0.09747		72.0	40-140	5.99	30	
Endosulfan Sulfate [2C]	0.077	0.0078	mg/Kg wet	0.09747		79.1	40-140	6.47	30	
Endrin	0.073	0.0078	mg/Kg wet	0.09747		74.9	40-140	2.51	30	
Endrin [2C]	0.074	0.0078	mg/Kg wet	0.09747		75.9	40-140	1.95	30	
Endrin Aldehyde	0.063	0.0078	mg/Kg wet	0.09747		64.8	40-140	3.45	30	
Endrin Aldehyde [2C]	0.067	0.0078	mg/Kg wet	0.09747		69.2	40-140	5.76	30	
Endrin Ketone	0.078	0.0078	mg/Kg wet	0.09747		79.7	40-140	5.99	30	
Endrin Ketone [2C]	0.076	0.0078	mg/Kg wet	0.09747		78.4	40-140	5.29	30	
Heptachlor	0.066	0.0049	mg/Kg wet	0.09747		68.1	40-140	0.0818	30	
Heptachlor [2C]	0.069	0.0049	mg/Kg wet	0.09747		71.0	40-140	0.740	30	
Heptachlor Epoxide	0.068	0.0049	mg/Kg wet	0.09747		69.9	40-140	1.13	30	
Heptachlor Epoxide [2C]	0.071	0.0049	mg/Kg wet	0.09747		72.5	40-140	1.18	30	
Methoxychlor	0.071	0.049	mg/Kg wet	0.09747		72.9	40-140	5.72	30	
Methoxychlor [2C]	0.074	0.049	mg/Kg wet	0.09747		75.8	40-140	6.26	30	
Surrogate: Decachlorobiphenyl	*0.210*		mg/Kg wet	0.1949		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.213*		mg/Kg wet	0.1949		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.155*		mg/Kg wet	0.1949		79.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.162*		mg/Kg wet	0.1949		83.3	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B386574 - SW-846 3546											
Matrix Spike (B386574-MS1)	**Source: 24I2149-01**		Prepared: 09/19/24 Analyzed: 09/20/24								**MS-07A**
Aldrin	0.077	0.032	mg/Kg dry	0.1295	ND	59.3		30-150			
Aldrin [2C]	0.080	0.032	mg/Kg dry	0.1295	ND	61.4		30-150			
alpha-BHC	0.014	0.032	mg/Kg dry	0.1295	ND	**10.6**	*	30-150			
alpha-BHC [2C]	0.013	0.032	mg/Kg dry	0.1295	ND	**10.3**	*	30-150			
beta-BHC	0.060	0.032	mg/Kg dry	0.1295	ND	46.5		30-150			
beta-BHC [2C]	0.059	0.032	mg/Kg dry	0.1295	ND	45.2		30-150			
delta-BHC	0.011	0.032	mg/Kg dry	0.1295	ND	**8.66**	*	30-150			
delta-BHC [2C]	0.0088	0.032	mg/Kg dry	0.1295	ND	**6.80**	*	30-150			
gamma-BHC (Lindane)	0.012	0.013	mg/Kg dry	0.1295	ND	**9.56**	*	30-150			
gamma-BHC (Lindane) [2C]	0.013	0.013	mg/Kg dry	0.1295	ND	**9.70**	*	30-150			
4,4'-DDD	0.073	0.026	mg/Kg dry	0.1295	ND	56.4		30-150			
4,4'-DDD [2C]	0.074	0.026	mg/Kg dry	0.1295	ND	57.4		30-150			
4,4'-DDE	0.081	0.026	mg/Kg dry	0.1295	ND	62.3		30-150			
4,4'-DDE [2C]	0.085	0.026	mg/Kg dry	0.1295	ND	65.3		30-150			
4,4'-DDT	0.014	0.026	mg/Kg dry	0.1295	ND	**10.9**	*	30-150			
4,4'-DDT [2C]	0.013	0.026	mg/Kg dry	0.1295	ND	**10.1**	*	30-150			
Dieldrin	0.076	0.026	mg/Kg dry	0.1295	ND	59.0		30-150			
Dieldrin [2C]	0.083	0.026	mg/Kg dry	0.1295	ND	64.0		30-150			
Endosulfan I	0.018	0.032	mg/Kg dry	0.1295	ND	**13.8**	*	30-150			
Endosulfan I [2C]	0.016	0.032	mg/Kg dry	0.1295	ND	**12.0**	*	30-150			
Endosulfan II	0.014	0.052	mg/Kg dry	0.1295	ND	**10.7**	*	30-150			
Endosulfan II [2C]	0.032	0.052	mg/Kg dry	0.1295	ND	**24.7**	*	30-150			
Endosulfan Sulfate	0.015	0.052	mg/Kg dry	0.1295	ND	**11.4**	*	30-150			
Endosulfan Sulfate [2C]	0.013	0.052	mg/Kg dry	0.1295	ND	**10.4**	*	30-150			
Endrin	0.054	0.052	mg/Kg dry	0.1295	ND	41.9		30-150			
Endrin [2C]	0.055	0.052	mg/Kg dry	0.1295	ND	42.4		30-150			
Endrin Aldehyde	0.027	0.052	mg/Kg dry	0.1295	ND	**20.7**	*	30-150			
Endrin Aldehyde [2C]	0.027	0.052	mg/Kg dry	0.1295	ND	**20.5**	*	30-150			
Endrin Ketone	0.023	0.052	mg/Kg dry	0.1295	ND	**18.1**	*	30-150			
Endrin Ketone [2C]	0.022	0.052	mg/Kg dry	0.1295	ND	**17.1**	*	30-150			
Heptachlor	0.014	0.032	mg/Kg dry	0.1295	ND	**11.1**	*	30-150			
Heptachlor [2C]	0.013	0.032	mg/Kg dry	0.1295	ND	**10.3**	*	30-150			
Heptachlor Epoxide	0.078	0.032	mg/Kg dry	0.1295	ND	60.2		30-150			
Heptachlor Epoxide [2C]	0.074	0.032	mg/Kg dry	0.1295	ND	56.9		30-150			
Methoxychlor	0.013	0.32	mg/Kg dry	0.1295	ND	**10.4**	*	30-150			
Methoxychlor [2C]	0.015	0.32	mg/Kg dry	0.1295	ND	**11.8**	*	30-150			
Surrogate: Decachlorobiphenyl	*0.220*		mg/Kg dry	0.2590		84.7		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.219*		mg/Kg dry	0.2590		84.4		30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg dry	0.2590		75.9		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.202*		mg/Kg dry	0.2590		78.1		30-150			
Matrix Spike Dup (B386574-MSD1)	**Source: 24I2149-01**		Prepared: 09/19/24 Analyzed: 09/20/24								**MS-07A**
Aldrin	0.071	0.032	mg/Kg dry	0.1290	ND	54.8		30-150	8.29	30	
Aldrin [2C]	0.073	0.032	mg/Kg dry	0.1290	ND	56.5		30-150	8.74	30	
alpha-BHC	0.011	0.032	mg/Kg dry	0.1290	ND	**8.67**	*	30-150		30	
alpha-BHC [2C]	0.012	0.032	mg/Kg dry	0.1290	ND	**9.12**	*	30-150	12.9	30	
beta-BHC	0.050	0.032	mg/Kg dry	0.1290	ND	38.6		30-150	19.1	30	
beta-BHC [2C]	0.047	0.032	mg/Kg dry	0.1290	ND	36.7		30-150	21.2	30	
delta-BHC	0.0080	0.032	mg/Kg dry	0.1290	ND	**6.18**	*	30-150		30	
delta-BHC [2C]	0.0058	0.032	mg/Kg dry	0.1290	ND	**4.51**	*	30-150		30	
gamma-BHC (Lindane)	0.0095	0.013	mg/Kg dry	0.1290	ND	**7.34**	*	30-150	26.7	30	
gamma-BHC (Lindane) [2C]	0.0096	0.013	mg/Kg dry	0.1290	ND	**7.46**	*	30-150	26.4	30	

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B386574 - SW-846 3546												
Matrix Spike Dup (B386574-MSD1)	**Source: 24I2149-01**			Prepared: 09/19/24 Analyzed: 09/20/24								**MS-07A**
4,4'-DDD	0.061	0.026	mg/Kg dry	0.1290	ND	47.7		30-150	17.3		30	
4,4'-DDD [2C]	0.063	0.026	mg/Kg dry	0.1290	ND	48.5		30-150	17.2		30	
4,4'-DDE	0.072	0.026	mg/Kg dry	0.1290	ND	55.9		30-150	11.3		30	
4,4'-DDE [2C]	0.075	0.026	mg/Kg dry	0.1290	ND	58.2		30-150	11.9		30	
4,4'-DDT	0.012	0.026	mg/Kg dry	0.1290	ND	**9.15**	*	30-150	18.0		30	
4,4'-DDT [2C]	0.010	0.026	mg/Kg dry	0.1290	ND	**7.84**	*	30-150	25.5		30	
Dieldrin	0.068	0.026	mg/Kg dry	0.1290	ND	52.8		30-150	11.4		30	
Dieldrin [2C]	0.077	0.026	mg/Kg dry	0.1290	ND	60.0		30-150	6.75		30	
Endosulfan I	0.013	0.032	mg/Kg dry	0.1290	ND	**10.2**	*	30-150	29.9		30	
Endosulfan I [2C]	0.011	0.032	mg/Kg dry	0.1290	ND	**8.36**	*	30-150	**36.5**	*	30	
Endosulfan II	0.0094	0.052	mg/Kg dry	0.1290	ND	**7.30**	*	30-150			30	
Endosulfan II [2C]	0.026	0.052	mg/Kg dry	0.1290	ND	**20.0**	*	30-150	21.2		30	
Endosulfan Sulfate	0.0095	0.052	mg/Kg dry	0.1290	ND	**7.40**	*	30-150	**42.8**	*	30	
Endosulfan Sulfate [2C]	0.011	0.052	mg/Kg dry	0.1290	ND	**8.64**	*	30-150	18.7		30	
Endrin	0.040	0.052	mg/Kg dry	0.1290	ND	30.9		30-150	**30.9**	*	30	
Endrin [2C]	0.040	0.052	mg/Kg dry	0.1290	ND	30.7		30-150	**32.4**	*	30	
Endrin Aldehyde	0.022	0.052	mg/Kg dry	0.1290	ND	**17.0**	*	30-150	20.4		30	
Endrin Aldehyde [2C]	0.024	0.052	mg/Kg dry	0.1290	ND	**18.2**	*	30-150	12.1		30	
Endrin Ketone	0.015	0.052	mg/Kg dry	0.1290	ND	**12.0**	*	30-150	**41.2**	*	30	
Endrin Ketone [2C]	0.015	0.052	mg/Kg dry	0.1290	ND	**11.7**	*	30-150	**38.0**	*	30	
Heptachlor	0.013	0.032	mg/Kg dry	0.1290	ND	**9.80**	*	30-150	12.8		30	
Heptachlor [2C]	0.011	0.032	mg/Kg dry	0.1290	ND	**8.81**	*	30-150	16.1		30	
Heptachlor Epoxide	0.071	0.032	mg/Kg dry	0.1290	ND	54.9		30-150	9.60		30	
Heptachlor Epoxide [2C]	0.065	0.032	mg/Kg dry	0.1290	ND	50.3		30-150	12.8		30	
Methoxychlor	0.0094	0.32	mg/Kg dry	0.1290	ND	**7.27**	*	30-150			30	
Methoxychlor [2C]	0.0091	0.32	mg/Kg dry	0.1290	ND	**7.09**	*	30-150			30	
Surrogate: Decachlorobiphenyl	*0.187*		mg/Kg dry	0.2580		72.5		30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg dry	0.2580		74.3		30-150				
Surrogate: Tetrachloro-m-xylene	*0.186*		mg/Kg dry	0.2580		72.1		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg dry	0.2580		74.8		30-150				

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B386575 - SW-846 3546										
Blank (B386575-BLK1)				Prepared: 09/19/24 Analyzed: 09/20/24						
Aroclor-1016	ND	0.019	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1221	ND	0.019	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1232	ND	0.019	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1242	ND	0.019	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1248	ND	0.019	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1254	ND	0.019	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1260	ND	0.019	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1262	ND	0.019	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1268	ND	0.019	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.019	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg wet	0.1946		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.1946		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg wet	0.1946		90.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.171*		mg/Kg wet	0.1946		87.9	30-150			
LCS (B386575-BS1)				Prepared: 09/19/24 Analyzed: 09/20/24						
Aroclor-1016	0.14	0.020	mg/Kg wet	0.1953		73.5	40-140			
Aroclor-1016 [2C]	0.15	0.020	mg/Kg wet	0.1953		75.3	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.1953		91.4	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.1953		97.0	40-140			
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.1953		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg wet	0.1953		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.1953		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.162*		mg/Kg wet	0.1953		83.0	30-150			
LCS Dup (B386575-BSD1)				Prepared: 09/19/24 Analyzed: 09/20/24						
Aroclor-1016	0.16	0.019	mg/Kg wet	0.1947		82.3	40-140	11.3	30	
Aroclor-1016 [2C]	0.16	0.019	mg/Kg wet	0.1947		84.7	40-140	11.8	30	
Aroclor-1260	0.19	0.019	mg/Kg wet	0.1947		99.9	40-140	8.88	30	
Aroclor-1260 [2C]	0.21	0.019	mg/Kg wet	0.1947		106	40-140	9.00	30	
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg wet	0.1947		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg wet	0.1947		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.1947		90.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg wet	0.1947		88.7	30-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B386920 - SW-846 3050B											
Blank (B386920-BLK1)				Prepared: 09/23/24 Analyzed: 09/24/24							
Arsenic	ND	3.3	mg/Kg wet								
Barium	ND	1.7	mg/Kg wet								
Cadmium	ND	0.33	mg/Kg wet								
Chromium	ND	0.67	mg/Kg wet								
Lead	ND	0.50	mg/Kg wet								
Selenium	ND	3.3	mg/Kg wet								
Silver	ND	0.33	mg/Kg wet								
LCS (B386920-BS1)				Prepared: 09/23/24 Analyzed: 09/24/24							
Arsenic	295	9.5	mg/Kg wet	311.0		94.8	81.7-118.3				
Barium	312	4.7	mg/Kg wet	304.0		103	82.8-117.2				
Cadmium	208	0.95	mg/Kg wet	212.0		98.3	82.5-117.9				
Chromium	191	1.9	mg/Kg wet	180.0		106	81.1-118.3				
Lead	92.8	1.4	mg/Kg wet	92.80		100	81.8-118.5				
Selenium	162	9.5	mg/Kg wet	165.0		98.1	80.6-119.4				
Silver	87.0	0.95	mg/Kg wet	82.40		106	79.5-120.4				
LCS Dup (B386920-BSD1)				Prepared: 09/23/24 Analyzed: 09/24/24							
Arsenic	298	10	mg/Kg wet	311.0		95.9	81.7-118.3	1.16		30	
Barium	322	5.0	mg/Kg wet	304.0		106	82.8-117.2	3.02		20	
Cadmium	215	1.0	mg/Kg wet	212.0		102	82.5-117.9	3.27		20	
Chromium	189	2.0	mg/Kg wet	180.0		105	81.1-118.3	0.822		30	
Lead	94.2	1.5	mg/Kg wet	92.80		101	81.8-118.5	1.51		30	
Selenium	164	10	mg/Kg wet	165.0		99.1	80.6-119.4	1.07		30	
Silver	88.9	1.0	mg/Kg wet	82.40		108	79.5-120.4	2.15		30	
Dilution Check (B386920-SRL1)		**Source: 24I1457-10**		Prepared: 09/23/24 Analyzed: 09/24/24							
Arsenic	9.00	17	mg/Kg dry		7.95			12.4		20	
Batch B387126 - SW-846 7471											
Blank (B387126-BLK1)				Prepared: 09/24/24 Analyzed: 09/25/24							
Mercury	ND	0.025	mg/Kg wet								
LCS (B387126-BS1)				Prepared: 09/24/24 Analyzed: 09/25/24							
Mercury	8.69	1.9	mg/Kg wet	11.90		73.0	67.1-131.9				R-05
LCS Dup (B387126-BSD1)				Prepared: 09/24/24 Analyzed: 09/25/24							
Mercury	11.3	1.9	mg/Kg wet	11.90		94.7	67.1-131.9	**25.8**	*	20	R-05

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B387093 - SW-846 9010C										
Blank (B387093-BLK1)				Prepared: 09/24/24 Analyzed: 09/25/24						
Cyanide	ND	0.48	mg/Kg wet							
LCS (B387093-BS1)				Prepared: 09/24/24 Analyzed: 09/25/24						
Cyanide	91	5.0	mg/Kg wet	85.46		107	30.6-170			
LCS Dup (B387093-BSD1)				Prepared: 09/24/24 Analyzed: 09/25/24						
Cyanide	86	4.9	mg/Kg wet	84.94		102	30.6-170	5.49	30	
Matrix Spike (B387093-MS1)	**Source: 24I2149-01**			Prepared: 09/24/24 Analyzed: 09/25/24						
Cyanide	21	0.65	mg/Kg dry	19.61	0.58	102	75-125			
Matrix Spike Dup (B387093-MSD1)	**Source: 24I2149-01**			Prepared: 09/24/24 Analyzed: 09/25/24						
Cyanide	21	0.65	mg/Kg dry	19.54	0.58	103	75-125	0.665	30	

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BREAKDOWN REPORT

Lab Sample ID: **S110994-PEM1** **Analyzed:** **09/20/2024**

Column Number: **1**

Analyte	% Breakdown
4,4'-DDT [1]	2.82
Endrin [1]	12.18

Column Number: **2**

Analyte	% Breakdown
4,4'-DDT [2]	2.32
Endrin [2]	12.32

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B386574-BS1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	5.411	5.381	5.441	0.074	
	2	5.366	5.336	5.396	0.076	2.7
4,4'-DDE	1	4.924	4.894	4.954	0.071	
	2	4.900	4.870	4.930	0.074	4.1
4,4'-DDT	1	5.641	5.611	5.671	0.073	
	2	5.621	5.591	5.651	0.073	0.0
Aldrin	1	4.159	4.129	4.189	0.065	
	2	4.034	4.003	4.063	0.068	4.5
alpha-BHC	1	3.275	3.245	3.305	0.065	
	2	3.164	3.133	3.193	0.068	4.5
alpha-Chlordane	1	4.860	4.830	4.890	0.067	
	2	4.756	4.726	4.786	0.071	5.8
beta-BHC	1	3.600	3.569	3.629	0.065	
	2	3.508	3.477	3.537	0.065	0.0
delta-BHC	1	3.743	3.713	3.773	0.058	
	2	3.735	3.704	3.764	0.058	0.0
Dieldrin	1	5.167	5.137	5.197	0.069	
	2	5.017	4.987	5.047	0.073	5.6
Endosulfan I	1	4.972	4.941	5.001	0.069	
	2	4.797	4.767	4.827	0.073	5.6
Endosulfan II	1	5.539	5.510	5.570	0.069	
	2	5.432	5.402	5.462	0.072	4.3
Endosulfan Sulfate	1	6.207	6.177	6.237	0.066	
	2	5.932	5.902	5.962	0.072	8.7
Endrin	1	5.357	5.328	5.388	0.071	
	2	5.260	5.229	5.289	0.073	2.8
Endrin Aldehyde	1	5.883	5.854	5.914	0.061	
	2	5.709	5.679	5.739	0.064	4.8
Endrin Ketone	1	6.397	6.367	6.427	0.073	
	2	6.304	6.274	6.334	0.072	1.4
gamma-BHC (Lindane)	1	3.531	3.501	3.561	0.063	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS

Lab Sample ID: B386574-BS1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	3.440	3.409	3.469	0.065	3.1
gamma-Chlordane	1	4.752	4.722	4.782	0.067	
	2	4.639	4.608	4.668	0.070	4.4
Heptachlor	1	3.916	3.886	3.946	0.066	
	2	3.783	3.752	3.812	0.069	2.9
Heptachlor Epoxide	1	4.651	4.621	4.681	0.067	
	2	4.488	4.457	4.517	0.070	4.4
Methoxychlor	1	6.027	5.998	6.058	0.067	
	2	6.157	6.127	6.187	0.069	2.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B386574-BSD1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	5.411	5.381	5.441	0.078	
	2	5.366	5.336	5.396	0.081	3.8
4,4'-DDE	1	4.924	4.894	4.954	0.074	
	2	4.901	4.870	4.930	0.077	4.0
4,4'-DDT	1	5.641	5.611	5.671	0.078	
	2	5.621	5.591	5.651	0.077	1.3
Aldrin	1	4.159	4.129	4.189	0.065	
	2	4.034	4.003	4.063	0.068	4.5
alpha-BHC	1	3.276	3.245	3.305	0.064	
	2	3.164	3.133	3.193	0.069	7.5
alpha-Chlordane	1	4.860	4.830	4.890	0.069	
	2	4.756	4.726	4.786	0.073	5.6
beta-BHC	1	3.600	3.569	3.629	0.066	
	2	3.507	3.477	3.537	0.068	3.0
delta-BHC	1	3.743	3.713	3.773	0.061	
	2	3.734	3.704	3.764	0.061	0.0
Dieldrin	1	5.167	5.137	5.197	0.070	
	2	5.017	4.987	5.047	0.075	6.9
Endosulfan I	1	4.971	4.941	5.001	0.070	
	2	4.797	4.767	4.827	0.074	5.6
Endosulfan II	1	5.540	5.510	5.570	0.073	
	2	5.432	5.402	5.462	0.076	4.0
Endosulfan Sulfate	1	6.208	6.177	6.237	0.070	
	2	5.932	5.902	5.962	0.077	9.5
Endrin	1	5.358	5.328	5.388	0.073	
	2	5.260	5.229	5.289	0.074	1.4
Endrin Aldehyde	1	5.883	5.854	5.914	0.063	
	2	5.709	5.679	5.739	0.067	6.2
Endrin Ketone	1	6.397	6.367	6.427	0.078	
	2	6.304	6.274	6.334	0.076	2.6
gamma-BHC (Lindane)	1	3.531	3.501	3.561	0.062	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

LCS Dup

Lab Sample ID: B386574-BSD1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	3.440	3.409	3.469	0.065	4.7
gamma-Chlordane	1	4.752	4.722	4.782	0.068	
	2	4.639	4.608	4.668	0.072	5.7
Heptachlor	1	3.916	3.886	3.946	0.066	
	2	3.782	3.752	3.812	0.069	4.4
Heptachlor Epoxide	1	4.651	4.621	4.681	0.068	
	2	4.488	4.457	4.517	0.071	4.3
Methoxychlor	1	6.027	5.998	6.058	0.071	
	2	6.157	6.127	6.187	0.074	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike

Lab Sample ID: B386574-MS1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	5.411	5.381	5.441	0.073	
	2	5.366	5.336	5.396	0.074	1.4
4,4'-DDE	1	4.924	4.893	4.953	0.081	
	2	4.900	4.870	4.930	0.085	4.8
4,4'-DDT	1	5.641	5.611	5.671	0.014	
	2	5.621	5.591	5.651	0.013	7.4
Aldrin	1	4.159	4.130	4.190	0.077	
	2	4.034	4.003	4.063	0.080	3.8
alpha-BHC	1	3.275	3.246	3.306	0.014	
	2	3.163	3.133	3.193	0.013	7.4
beta-BHC	1	3.600	3.570	3.630	0.060	
	2	3.507	3.477	3.537	0.059	1.7
delta-BHC	1	3.742	3.713	3.773	0.011	
	2	3.734	3.704	3.764	0.0088	22.2
Dieldrin	1	5.168	5.137	5.197	0.076	
	2	5.016	4.987	5.047	0.083	8.8
Endosulfan I	1	4.972	4.942	5.002	0.018	
	2	4.797	4.767	4.827	0.016	11.8
Endosulfan II	1	5.540	5.510	5.570	0.014	
	2	5.432	5.403	5.463	0.032	78.3
Endosulfan Sulfate	1	6.207	6.178	6.238	0.015	
	2	5.932	5.902	5.962	0.013	14.3
Endrin	1	5.357	5.328	5.388	0.054	
	2	5.259	5.229	5.289	0.055	1.8
Endrin Aldehyde	1	5.883	5.854	5.914	0.027	
	2	5.709	5.679	5.739	0.027	0.0
Endrin Ketone	1	6.396	6.367	6.427	0.023	
	2	6.304	6.274	6.334	0.022	4.4
gamma-BHC (Lindane)	1	3.531	3.501	3.561	0.012	
	2	3.439	3.409	3.469	0.013	8.0
Heptachlor	1	3.915	3.885	3.945	0.014	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike

Lab Sample ID: B386574-MS1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	3.782	3.752	3.812	0.013	7.4
Heptachlor Epoxide	1	4.651	4.621	4.681	0.078	
	2	4.487	4.457	4.517	0.074	5.3
Methoxychlor	1	6.027	5.998	6.058	0.013	
	2	6.157	6.127	6.187	0.015	6.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup

Lab Sample ID: B386574-MSD1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	5.411	5.381	5.441	0.061	
	2	5.366	5.336	5.396	0.063	1.6
4,4'-DDE	1	4.923	4.893	4.953	0.072	
	2	4.900	4.870	4.930	0.075	4.1
4,4'-DDT	1	5.641	5.611	5.671	0.012	
	2	5.621	5.591	5.651	0.010	18.2
Aldrin	1	4.159	4.130	4.190	0.071	
	2	4.034	4.003	4.063	0.073	2.8
alpha-BHC	1	3.275	3.246	3.306	0.011	
	2	3.163	3.133	3.193	0.012	8.7
beta-BHC	1	3.600	3.570	3.630	0.050	
	2	3.507	3.477	3.537	0.047	6.2
delta-BHC	1	3.742	3.713	3.773	0.0080	
	2	3.734	3.704	3.764	0.0058	31.9
Dieldrin	1	5.167	5.137	5.197	0.068	
	2	5.017	4.987	5.047	0.077	12.4
Endosulfan I	1	4.972	4.942	5.002	0.013	
	2	4.797	4.767	4.827	0.011	16.7
Endosulfan II	1	5.540	5.510	5.570	0.0094	
	2	5.432	5.403	5.463	0.026	93.8
Endosulfan Sulfate	1	6.207	6.178	6.238	0.0095	
	2	5.931	5.902	5.962	0.011	13.6
Endrin	1	5.357	5.328	5.388	0.040	
	2	5.259	5.229	5.289	0.040	0.0
Endrin Aldehyde	1	5.884	5.854	5.914	0.022	
	2	5.708	5.679	5.739	0.024	8.7
Endrin Ketone	1	6.397	6.367	6.427	0.015	
	2	6.304	6.274	6.334	0.015	0.0
gamma-BHC (Lindane)	1	3.531	3.501	3.561	0.0095	
	2	3.439	3.409	3.469	0.0096	1.1
Heptachlor	1	3.915	3.885	3.945	0.013	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8081B

Matrix Spike Dup

Lab Sample ID: B386574-MSD1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD 8 Instrument ID (2): ECD 8

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	2	3.782	3.752	3.812	0.011	16.7
Heptachlor Epoxide	1	4.651	4.621	4.681	0.071	
	2	4.487	4.457	4.517	0.065	8.8
Methoxychlor	1	6.027	5.998	6.058	0.0094	
	2	6.157	6.127	6.187	0.0091	3.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B386575-BS1

Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD5

Instrument ID (2): ECD5

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.15	6.9
Aroclor-1260	1	0.000	0.000	0.000	0.18	
	2	0.000	0.000	0.000	0.19	5.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B386575-BSD1 Date(s) Analyzed: 09/20/2024 09/20/2024

Instrument ID (1): ECD5 Instrument ID (2): ECD5

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.16	
	2	0.000	0.000	0.000	0.16	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.19	
	2	0.000	0.000	0.000	0.21	4.9

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
PR-03	Sample preserved in the laboratory, not in the field as required by the method.
PR-15	According to the NY ELAP program, all voa results less than 0.2mg/Kg are estimated and biased low if not collected according to SW-846 5035-L/5035A-L.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.
V-36	Initial calibration verification (ICV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010D in Soil	
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 6010D in Water	
Arsenic	CT,NH,NY,ME,VA,RI,NC
Barium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8081B in Soil	
alpha-Chlordane	NC
alpha-Chlordane [2C]	NC
gamma-Chlordane	NC
gamma-Chlordane [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8081B in Water	
alpha-Chlordane	NC
alpha-Chlordane [2C]	NC
gamma-Chlordane	NC
gamma-Chlordane [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
SW-846 8260D in Soil	
Acetone	CT,NH,NY,ME,VA
Benzene	CT,NH,NY,ME,VA
Bromochloromethane	NH,NY,ME,VA
Bromodichloromethane	CT,NH,NY,ME,VA
Bromoform	CT,NH,NY,ME,VA
Bromomethane	CT,NH,NY,ME,VA
2-Butanone (MEK)	CT,NH,NY,ME,VA
n-Butylbenzene	CT,NH,NY,ME,VA
sec-Butylbenzene	CT,NH,NY,ME,VA
tert-Butylbenzene	CT,NH,NY,ME,VA
Carbon Disulfide	CT,NH,NY,ME,VA
Carbon Tetrachloride	CT,NH,NY,ME,VA
Chlorobenzene	CT,NH,NY,ME,VA
Chlorodibromomethane	CT,NH,NY,ME,VA
Chloroethane	CT,NH,NY,ME,VA
Chloroform	CT,NH,NY,ME,VA
Chloromethane	CT,NH,NY,ME,VA
Cyclohexane	NY,ME
1,2-Dibromo-3-chloropropane (DBCP)	NY,ME
1,2-Dibromoethane (EDB)	NH,NY
1,2-Dichlorobenzene	CT,NH,NY,ME,VA
1,3-Dichlorobenzene	CT,NH,NY,ME,VA
1,4-Dichlorobenzene	CT,NH,NY,ME,VA
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,VA
1,1-Dichloroethane	CT,NH,NY,ME,VA
1,2-Dichloroethane	CT,NH,NY,ME,VA
1,1-Dichloroethylene	CT,NH,NY,ME,VA
cis-1,2-Dichloroethylene	CT,NH,NY,ME,VA
trans-1,2-Dichloroethylene	CT,NH,NY,ME,VA
1,2-Dichloropropane	CT,NH,NY,ME,VA
cis-1,3-Dichloropropene	CT,NH,NY,ME,VA
trans-1,3-Dichloropropene	CT,NH,NY,ME,VA
1,4-Dioxane	NY,ME
Ethylbenzene	CT,NH,NY,ME,VA
Hexachlorobutadiene	NH,NY,ME,VA
2-Hexanone (MBK)	CT,NH,NY,ME,VA
Isopropylbenzene (Cumene)	CT,NH,NY,ME,VA
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl Acetate	NY,ME
Methyl tert-Butyl Ether (MTBE)	NY,ME,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Soil	
Methyl Cyclohexane	NY
Methylene Chloride	CT,NH,NY,ME,VA
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME,VA
Naphthalene	NH,NY,ME,VA
n-Propylbenzene	NH,NY,ME
Styrene	CT,NH,NY,ME,VA
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,VA
Tetrachloroethylene	CT,NH,NY,ME,VA
Toluene	CT,NH,NY,ME,VA
1,2,3-Trichlorobenzene	NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME,VA
1,1,1-Trichloroethane	CT,NH,NY,ME,VA
1,1,2-Trichloroethane	CT,NH,NY,ME,VA
Trichloroethylene	CT,NH,NY,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,VA
1,2,3-Trichloropropane	NH,NY,ME,VA
1,2,4-Trimethylbenzene	CT,NH,NY,ME,VA
1,3,5-Trimethylbenzene	CT,NH,NY,ME,VA
Vinyl Chloride	CT,NH,NY,ME,VA
m+p Xylene	CT,NH,NY,ME,VA
o-Xylene	CT,NH,NY,ME,VA
Xylenes (total)	NH,NY,ME
SW-846 8270E in Soil	
1,4-Dioxane	NY,NH
Atrazine	ME,NC
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachlorophenol	CT,NY,NH,ME,NC,VA
Phenanthrene	CT,NY,NH,ME,NC,VA
Phenol	CT,NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Soil	
2-Fluorophenol	NC
SW-846 8270E in Water	
1,4-Dioxane	NY,NH
Acenaphthene	CT,NY,NC,ME,NH,VA
Acenaphthylene	CT,NY,NC,ME,NH,VA
Acetophenone	NY,NC
Aniline	CT,NY,NC,ME,VA
Anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)anthracene	CT,NY,NC,ME,NH,VA
Benzo(a)pyrene	CT,NY,NC,ME,NH,VA
Benzo(b)fluoranthene	CT,NY,NC,ME,NH,VA
Benzo(g,h,i)perylene	CT,NY,NC,ME,NH,VA
Benzo(k)fluoranthene	CT,NY,NC,ME,NH,VA
Bis(2-chloroethoxy)methane	CT,NY,NC,ME,NH,VA
Bis(2-chloroethyl)ether	CT,NY,NC,ME,NH,VA
2,2'-oxybis(1-Chloropropane)	CT,NY,NC,ME,NH,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NC,ME,NH,VA
4-Bromophenylphenylether	CT,NY,NC,ME,NH,VA
Butylbenzylphthalate	CT,NY,NC,ME,NH,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NC,ME,NH,VA
4-Chloro-3-methylphenol	CT,NY,NC,ME,NH,VA
2-Chloronaphthalene	CT,NY,NC,ME,NH,VA
2-Chlorophenol	CT,NY,NC,ME,NH,VA
4-Chlorophenylphenylether	CT,NY,NC,ME,NH,VA
Chrysene	CT,NY,NC,ME,NH,VA
Dibenz(a,h)anthracene	CT,NY,NC,ME,NH,VA
Dibenzofuran	CT,NY,NC,ME,NH,VA
Di-n-butylphthalate	CT,NY,NC,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,NC,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,NC,ME,NH,VA
3,3-Dichlorobenzidine	CT,NY,NC,ME,NH,VA
2,4-Dichlorophenol	CT,NY,NC,ME,NH,VA
Diethylphthalate	CT,NY,NC,ME,NH,VA
2,4-Dimethylphenol	CT,NY,NC,ME,NH,VA
Dimethylphthalate	CT,NY,NC,ME,NH,VA
4,6-Dinitro-2-methylphenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrophenol	CT,NY,NC,ME,NH,VA
2,4-Dinitrotoluene	CT,NY,NC,ME,NH,VA
2,6-Dinitrotoluene	CT,NY,NC,ME,NH,VA
Di-n-octylphthalate	CT,NY,NC,ME,NH,VA
Fluoranthene	CT,NY,NC,ME,NH,VA
Fluorene	NY,NC,ME,NH,VA
Hexachlorobenzene	CT,NY,NC,ME,NH,VA
Hexachlorobutadiene	CT,NY,NC,ME,NH,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270E in Water	
Hexachlorocyclopentadiene	CT,NY,NC,ME,NH,VA
Hexachloroethane	CT,NY,NC,ME,NH,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
Pyridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC
SW-846 9014 in Soil	
Cyanide	NY,CT,NC,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
RI	Rhode Island Department of Health	LAO00373	12/30/2024
NC	North Carolina Div. of Water Quality	652	12/31/2024
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2025
WV	West Virginia DEP Division of Water and Waste Management	419	08/31/2025

Pace Analytical®

Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

Page 1 of 1

24I 2149 RJM

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

Company Name: NYS DEC	Consultant: HRP Associates Inc
Consultant Address:	1Fairchild sq#110 CliftonPark NY
Consultant Phone:	(518) 877-7101
Callout Project Name:	
Project Location:	Gloversville
Callout Number:	HRP MSA
Site/Spill Number:	
Project Manager:	Patrick Monturi
Pace Analytical Quote Name/Number:	HRP MSA
Invoice Recipient:	Patrick Monturi
Sampled By:	Liam Whalen

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

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

Data Delivery
- Format: PDF ☒ EXCEL ☒
- Other:
- CLP Like (Level 4) Data Pkg Required: ☐
- Email To: ~~patrick.monturi@hrpassociates~~ patrick.monturi@hrpassociates.com
- Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	Cyanide					# of Containers
								1	2	2	2	2		2					[2] Preservation Code
								I	I	I	I	I		I					[3] Container Code
								G	G	G	G	G		G					
1	Soil_Cover_24	9/17/24 10:10			X	S		X	X	X	X	X		X					

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Patrick wants total RCRA 8 rather than TCLP, wants 1,4 Dioxane. Also, do not run PFAS, was canceled. Wrong glassware. TLF 9/20

Comments: cc: ted.wall@hrpassociates.com

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

Dissolved Metals Samples
- ☐ Field Filtered
- ☐ Lab to Filter

Orthophosphate Samples
- ☐ Field Filtered
- ☐ Lab to Filter

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

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

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

Relinquished by: (signature) Liam Whalen	Date/Time: 9/17/24 13:25	
Received by: (signature) PACE	Date/Time: 9/17/24 1325	
Relinquished by: (signature) PACE	Date/Time: 9/17/24 1325	
Received by: (signature) Pace	Date/Time: 9.18 7:50	
Relinquished by: (signature)	Date/Time: 9.18 10:00	
Received by: (signature) 0.3	Date/Time: 9/18/24 1000	

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

Other:

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

Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
- ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
- ☐ Federal ☐ 21 J ☐ School
- ☐ City ☐ Brownfield ☐ MBTA

Other
- ☐ Chromatogram
- ☐ *AIHA-LAP,LLC*

PCB ONLY
- ☐ Soxhlet
- ☐ Non Soxhlet

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

Log In Back-Sheet

Client HRP Associates

Project N/A

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location Gloversville, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time LH 9/18/24 1000

Back-Sheet By / Date / Time STM 9/18/24 1637

Temperature Method Gun #G

WV samples: Yes (see note*) (No) (follow normal procedure)

Temp X < 6° C Actual Temperature 0.3

Rush Samples (Yes) / No Notify Teams

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☐	☒
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐

COC Included: (Check all included)

Client ☒ Analysis ☐ Sampler Name ☐

Project ☐ IDs ☒ Collection Date/Time ☒

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

**Note: West Virginia requires all samples to have their temperature taken. Note any outliers.*

Qualtrax ID: 120836

Quaitrax ID: 120836

Sample	Soils Jars (Circle Amb/Clear)				Amber's						Plastics												VOA Vials					Other / Fill in					
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	1 Liter HCL	1 Liter Sulfuric	250mL Sulfuric	250mL Phosphoric	250mL HCl	100mL Unpreserved	1 Liter Unpreserved	1 Liter Sulfuric	500mL Unpreserved	500mL Sulfuric	250mL Unpreserved	250mL Trizma	250mL Sulfuric	250mL Nitric	250mL NaOH	250mL Ammonium Acetate	250mL NaOH/Zinc	Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact					
1		2		1																												
2																																
3																																
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20																																

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist
	Effective Date: 06/11/2024

APPENDIX I

Tables and Graphs of Groundwater Results

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC	B-2	B-2R									B-3									
Date Sampled	Class GA Criteria	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20	Dec-23	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20	Dec-23
VOC by EPA Method 8260, (ug/L)																					
Acetone	50	**6 J B**	ND	ND	NS	NS	NS	NS	NS	NS	NS	**8 J M**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzene	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	5	**0.7 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS	**0.8 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Naphthalene	10	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Toluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																					
Acenaphthene	20	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	**0.6 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	**0.4 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	**1 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																					
Aldrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																					
Arsenic	25	**100**	**630**	**470**	**550**	**822**	**451**	**405**	**740**	**239.6**	**196**	**494**	**263**	**190**	**280**	**236**	**933**	**1,460**	**382**	**77.86**	**77.9**
Chromium	50	**3.9 B**	ND	ND	**5.7**	ND	**0.6 J**	**10 U**	ND	ND	**0.550 J**	**2.6 B**	**3.6 B**	**4.9 J**	**5.7 J**	**2.3 J**	**14.7**	**56**	**8.4 J**	**1.19**	**3.21**
Iron	300	**2,430**	**727**	**960**	**1,190**	**1,700**	**1,410**	**1,500**	**1,800**	**475**	**162**	**1,090**	**4,480**	**4,000**	**4,900**	**2,640**	**13,300**	**29,000**	**5,200**	**341**	**592**
Magnesium	35,000	**7,740**	**19,300**	**19,200**	**13,600**	**14,200**	**10,200**	**13,000**	**14,000**	**10,000**	**15,100**	**8,780**	**15,200**	**14,300**	**15,300**	**14,100**	**10,400**	**14,000**	**14,000**	**10,000**	**21,600**
Manganese	300	**44.7**	**167**	NS	184	**200**	**149.7**	**109**	**160**	**38.21**	**23.1**	**160**	**258**	NS	**66**	**93**	**102**	**80.8**	**94**	**22.79**	**11.0**
Sodium	20,000	**6,600**	**50,600**	**36,900**	**18,600**	**27,500**	**15,500**	**11,000**	**14,000**	**3,440**	**3,800**	**98,000**	**11,100**	**8,300**	**7,500**	**8,390**	**10,200**	**7,400**	**9,900**	**3,780**	**5,070**

Legend	
<1	Parameter not detcted above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the appilicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:
ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated
NA = Not Applicable; NS = Not Sampled; ND = Not Detected
J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied
H = alternate peak selection upon analytical review; M = manually integrated compound
B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC	MW-5										MW-6									
Date Sampled	Class GA Criteria	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	Dec-23	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	Apr-20	Dec-23
VOC by EPA Method 8260, (ug/L)																					
Acetone	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	1.0	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	10	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																					
Acenaphthene	20	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	**4 J**	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																					
Aldrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	**0.016 J**	ND	ND	ND	ND	ND	ND	NS	NS
alpha-BHC	0.01	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
beta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	**0 J**	ND	ND	ND	ND	ND	ND	NS	NS
gamma-BHC (Lindane)	0.05	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
delta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	**0.0023 J**	ND	ND	ND	ND	ND	ND	NS	NS
gamma-Chlordane	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	**0.023 J**	ND	ND	ND	ND	ND	ND	NS	NS
4,4'-DDE	0.2	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Endosulfan I	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	**0.0069 J**	ND	ND	ND	ND	ND	ND	NS	NS
Endrin aldehyde	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Endrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Heptachlor	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Heptachlor epoxide	0.03	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																					
Arsenic	25	**18 B**	ND	**17 J**	**40**	**48.3**	**32.2**	**46.9**	**38**	**11.19**	**94.8**	ND	**26.1 B**	ND	ND	**4.9 J**	**6**	7.2	ND	NS	NS
Chromium	50	**4.1 B**	**1.4 B**	**3.2 J**	**3.9 J**	**3.1 J**	**3.1**	**4.5 J**	**5 J**	**1.3**	**14.7**	**3.2 B**	**2.7 B**	**2.7 J**	**3.2 J**	**0.9 J**	**1.9**	ND	ND	NS	NS
Iron	300	**1,210**	**1,160**	**3,300**	**3,800**	**2,720**	**3,060**	**5,500**	**3,300**	**2,450**	**26,200**	**806**	**2,570**	**3,000**	**4,900**	**1,180**	**8,800**	**1,400**	**2,300**	NS	NS
Magnesium	35,000	**8,170**	**12,400**	**14,700**	**15,300**	**15,400**	**10,400**	**22,000**	**12,000**	**12,100**	**15,300**	**4170**	**19,300**	**10,800**	**13,700**	**13,800**	**9,860**	**14,000**	**13,000**	NS	NS
Manganese	300	**343**	**89.9**	NS	**510**	**410**	**381**	**561**	**315**	**290.1**	**478**	**33.8**	**522**	NS	**180**	**215**	**229.9**	**154**	**239**	NS	NS
Sodium	20,000	**76,200**	**38,600**	**76,500**	**72,400**	**106,000**	**139,000**	**140,000**	**150,000**	**247,000**	**247,000**	**52,000**	**97,800**	**28,000**	**63,300**	**75,200**	**90,300**	**96,000**	**84,000**	NS	NS

Legend	
<1	Parameter not detcted above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the appilicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:
ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated
NA = Not Applicable; NS = Not Sampled; ND = Not Detected
J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied
H = alternate peak selection upon analytical review; M = manually integrated compound
B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC	MW-7										MW-8										MW-9									
Date Sampled	**Class GA Criteria**	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	Dec-23	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	Dec-23	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	Apr-20	Dec-23
VOC by EPA Method 8260, (ug/L)																															
Acetone	50	**40 H**	ND	ND	**1.3 J**	ND	**1.6 J**	ND	ND	ND	**1.70 J**	**8 J**	**1.7 J**	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	**3 J**	**1.1 J**	**2.2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	10	**15**	**4 J**	**11**	ND	ND	ND	**0.66**	**0.83**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	**9**	**7**	**15**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	ND	ND	ND	**0.83 J**	**1.7 J**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	ND	ND	ND	**0.92 J**	**2 J**	**1.9 J**	**1.9 J**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	**0.77 J**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	**0.8 J**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	**2.6**	**9.8**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	**3.3**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	ND	ND	ND	1.2 J	**2.1**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	ND	ND	ND	ND	**2.3**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	ND	ND	**4.8**	**22**	ND	**1.4 J**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	**4.2**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																															
Acenaphthene	20	**0.5 J M**	ND	ND	ND	ND	ND	ND	**0.04 J**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	**22**	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	ND	ND	ND	ND	**0.05 J**	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	50	**0.5 J H**	ND	ND	ND	ND	ND	**0.08 J**	**0.05 J**	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	**3 J**	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	**0.57 J**	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	**2 J**	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	**3 J**	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	**4 J**	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																															
Aldrin	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	ND	ND	**0.038 N J**	**0.02 J**	**0.033 J P**	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	ND	**0.0091 J**	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	ND	**0.0046 J**	**0.034 N J**	**0.0071 J**	**0.0076 J P**	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	ND	**0.015 J**	**0.016 N J**	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	**0.071 J**	**0.015 J**	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	**0.11**	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	ND	ND	ND	ND	ND	**0.014 J**	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	ND	ND	**0.012 N J**	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	ND	**0.0071**	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																															
Arsenic	25	ND	**48.2**	**63**	**89**	**101**	**99**	**57.2**	**158**	**25.29**	**9.92**	**4,780**	**958**	**5,100**	**1,100**	**309**	**663.3**	**935**	**2,200**	**4,251**	**7,590**	ND	ND	ND	ND	ND	**0.7**	**5.3**	ND	NS	NS
Chromium	50	**21.8 B**	**1.9 B**	ND	ND	**0.82 J**	0.6 J	ND	ND	ND	**0.610 J**	**13.4**	**1.7 B**	**2.1 J**	**1.4 J**	**0.71 J**	**1.2**	ND	ND	**0.22 J**	**1.68**	**5 B**	**10.9**	**25**	**23**	**9.2**	**12**	**12**	**2 J**	NS	NS
Iron	300	**7,420**	**26,200**	**18,500**	**17,000**	**20,400**	**16,400**	**11,000**	**23,000**	**6,980**	**7,370**	**1,340**	**632**	**3,200**	**2,100**	**2,600**	**5,560**	**5,000**	**4,000**	**1,050**	**594**	**570**	ND	ND	**67 J**	**50.3 J**	**146 J**	**93**	**48 J**	NS	NS
Magnesium	35,000	ND	**14,400**	**11,500**	**12,800**	**9,220**	**7,220**	**11,000**	**8,700**	**10,600**	**9,560**	**4,970**	**9,020**	**9,100**	**8,800**	**9,950**	**10,700**	**11,000**	**11,000**	**6,010**	**8,110**	**14,400**	**18,800**	**14,500**	**13,500**	**12,300**	**9,760**	**11,000**	**10,000**	NS	NS
Manganese	300	ND	**2,420**	NS	**1,500**	**1,330**	**1,210**	**473**	**1,080**	**230**	**208**	**197**	**723**	NS	**550**	**997**	**995.7**	**942**	**1,030**	**166.4**	**11.0**	**28.8**	ND	NS	ND	**2.4 J**	**6.8 J**	**6**	**2 J**	NS	NS
Sodium	20,000	**3,910,000**	**122,000**	**114,000**	**94,300**	**91,000**	**12,600**	**24,000**	**120,000**	**23,400**	**24,900**	**345,000**	**117,000**	**83,400**	**79,900**	**95,500**	**95,500**	**91,000**	**92,000**	**29,400**	**21,000**	**21,300**	**15,000**	**14,200**	**29,400**	**24,800**	**29,000**	**39,000**	**31,000**	NS	NS

Legend	
<1	Parameter not detcted above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the appilicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:
ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated
NA = Not Applicable; NS = Not Sampled; ND = Not Detected
J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied
H = alternate peak selection upon analytical review; M = manually integrated compound
B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC	MW-10										MW-11									
Date Sampled	Class GA Criteria	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	Dec-23	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	Apr-20	Dec-23
VOC by EPA Method 8260, (ug/L)																					
Acetone	50	**8 J**	ND	ND	**11**	**11 B**	**19 B**	**22 J**	**16 J**	ND	**3.90 J**	**11**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzene	1.0	**2 J M**	**1.3 J**	**1 J**	**0.78 J**	**1 J**	**0.36 J**	ND	ND	ND	**0.920**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	ND	**1.9 J**	**3.5 J**	**3.8 J**	**20 J**	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	**5**	**3.1 J H**	**2.1 J**	**2.7 J**	**4.6 J**	**1.7 J**	ND	ND	ND	**4.50**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	**0.4 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	**10**	**2.7 J**	**1.8 J**	ND	**1.6 J**	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.8 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Naphthalene	10	**1,000**	**690**	**450 J**	**160**	**360**	**190**	**310**	**680**	**850**	ND	**1 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Toluene	5	**0.8 J**	**0.5 J**	**0.36 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.110 J**	**0.8 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	**75**	**4 J**	**3 J**	ND	**16**	**2 J**	**23 J**	**22 J**	**37**	**27.8 J**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	ND	ND	ND	**1 J**	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	ND	ND	ND	**2 J**	ND	ND	**8.7 J**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	ND	ND	**4 J**	**1 J**	ND	ND	ND	**5.90**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	**15**	**89**	**93**	**110**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	**2 J**	**22 J**	**26**	**32**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	ND	ND	ND	**2 J**	**13 J**	**10 J**	**13**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	ND	ND	ND	**3**	**17 J**	**16 J**	**22 J**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	ND	ND	**3**	**7 J**	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																					
Acenaphthene	20	ND	ND	ND	ND	ND	ND	**0.09 J**	**0.2**	**0.37**	**0.080 J**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	**0.5 J**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	ND	ND	ND	ND	ND	ND	**0.06 J**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	**0.95 J**	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	**0.08 J**	**0.13**	**0.070 J**	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	**0.05 J**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	**8 J**	ND	ND	ND	ND	ND	ND	**1.6**	**0.65**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																					
Aldrin	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	ND	**0.13**	**0.043 NJ**	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	ND	**0.024 J**	ND	ND	**0.017 J**	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	ND	**0.0091 J**	**0.068 NJ**	**0.01 J**	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	ND	**0.0028 J**	**0.0094 NJ**	**0.013 J**	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	ND	ND	**0.3 NJ**	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	**0.069 J**	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																					
Arsenic	25	**8 B**	**38.8 B**	**91**	**61**	**69**	**32.2**	**38.4**	**41**	**20.7**	**2.11**	**401**	**178**	**250**	**690**	**219**	**320.3**	**436**	**554**	**180.7**	**992**
Chromium	50	**148**	**49.5**	**40**	**46**	**31.2**	**28.6**	**54**	**60**	**48.52**	**56.8**	**15.2**	ND	ND	**6.8 J**	**0.67 J**	**4**	**7.6 J**	**10**	**0.34 J**	**39.9**
Iron	300	**3,040**	**12,200**	**6,200**	**4,700**	**4,890**	**16,800**	**7,400**	**18,000**	**11,000**	**12,100**	**3,510**	**7,820**	**10,100**	**21,300**	**7,650**	**9,660**	**15,000**	**14,000**	**7,930**	**34,100**
Magnesium	35,000	**72,800**	**77,000**	**81,600**	**41,100**	**46,700**	**19,300**	**35,000**	**36,000**	**25,000**	**19,800**	**8,740**	**10,700**	**8,600**	**11,000**	**10,500**	**9,880**	**9,600**	**11,000**	**9,350**	**13,000**
Manganese	300	**327**	**286**	NS	**150**	**209**	**163.2**	**333**	**230**	**321.3**	**322**	**345**	224	NS	**1,400**	**532**	**369**	**238**	**284**	**133.6**	**408**
Sodium	20,000	**253,000**	**98,800**	**62,100**	**40,500**	**42,000**	**30,800**	**29,000**	**29,000**	**17,100**	**12,900**	**14,400**	**8,880**	**10,600**	**14,200**	**10,500**	**15,000**	**9,700**	**11,000**	**9,890**	**21,800**

Legend	
<1	Parameter not detcted above the laboratory reporting limit
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Notes:
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B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC	MW-12										MW-14									
Date Sampled	Class GA Criteria	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20	Dec-23	May-02	Mar-06	May-07	Jul-08	Jul-10	Sep-12	Aug-14	Sep-16	Apr-20	Dec-23
VOC by EPA Method 8260, (																					
Acetone	50	**7 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS	**5 J**	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone (MEK)	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Carbon disulfide	60	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Methylene chloride	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	**0.5 J**	ND	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	10	**11**	**4 J**	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl chloride	2	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes (total)	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
sec-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
tert-Butylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
n-Propylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Diethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Ethyltoluene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
p-Isopropyltoluene	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
SVOC by EPA Method 8270, (ug/L)																					
Acenaphthene	20	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)anthracene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(a)pyrene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Carbazole	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Diethyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Di-n-butyl phthalate	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pentachlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Phenol	1.0	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	50	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
2-Methylnaphthalene	NP	**0.5 J**	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4-Methylphenol	1	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides by EPA Method 8081, (ug/L)																					
Aldrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																					
Arsenic	25	**437**	**139**	**220**	**680**	**340**	**700**	**363**	**367**	**300.6**	**611**	ND	ND	**25**	ND	ND	**0.4 J**	**5**	ND	NS	NS
Chromium	50	**9.2 B**	**8.2 B**	**5.8 J**	**5 J**	**0.66 J**	**1.6**	**2.2 J**	ND	ND	**1.21**	**2.5 B**	ND	3.3 J	2.8 J	ND	**0.3 J**	ND	ND	NS	NS
Iron	300	**9,500**	**994**	**1,600**	**4,900**	**468**	**2,990**	**1,700**	**960**	**3,200**	**3,570**	**332**	**193 B**	**930**	**340**	**33.5**	**30 J**	ND	**350**	NS	NS
Magnesium	35,000	**14,400**	**33,800**	**16,000**	**19,600**	**24,300**	**15,500**	**18,000**	**24,000**	**21,600**	**20,600**	**9,450**	**8,210**	**8,000**	**7,000**	**8,140**	**7,490**	**8,900**	**9,000**	NS	NS
Manganese	300	**504**	**365**	NS	**120**	**186**	**192.6**	**143**	**157**	**213.8**	**217**	**206**	**367**	NS	**1,200**	**223**	**439.2**	**235**	**1,700**	NS	NS
Sodium	20,000	**88,400**	**182,000**	**79,600**	**47,000**	**27,300**	**30,200**	**25,000**	**29,000**	**13,800**	**16,700**	**8,870**	**12,200**	**8,600**	**1,900**	**9,420**	**9,590**	**8,700**	**20,000**	NS	NS

Legend	
<1	
1	Parameter reported above the laboratory reporting limit but below the appilicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

Notes:
ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated
NA = Not Applicable; NS = Not Sampled; ND = Not Detected
J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied
H = alternate peak selection upon analytical review; M = manually integrated compound
B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

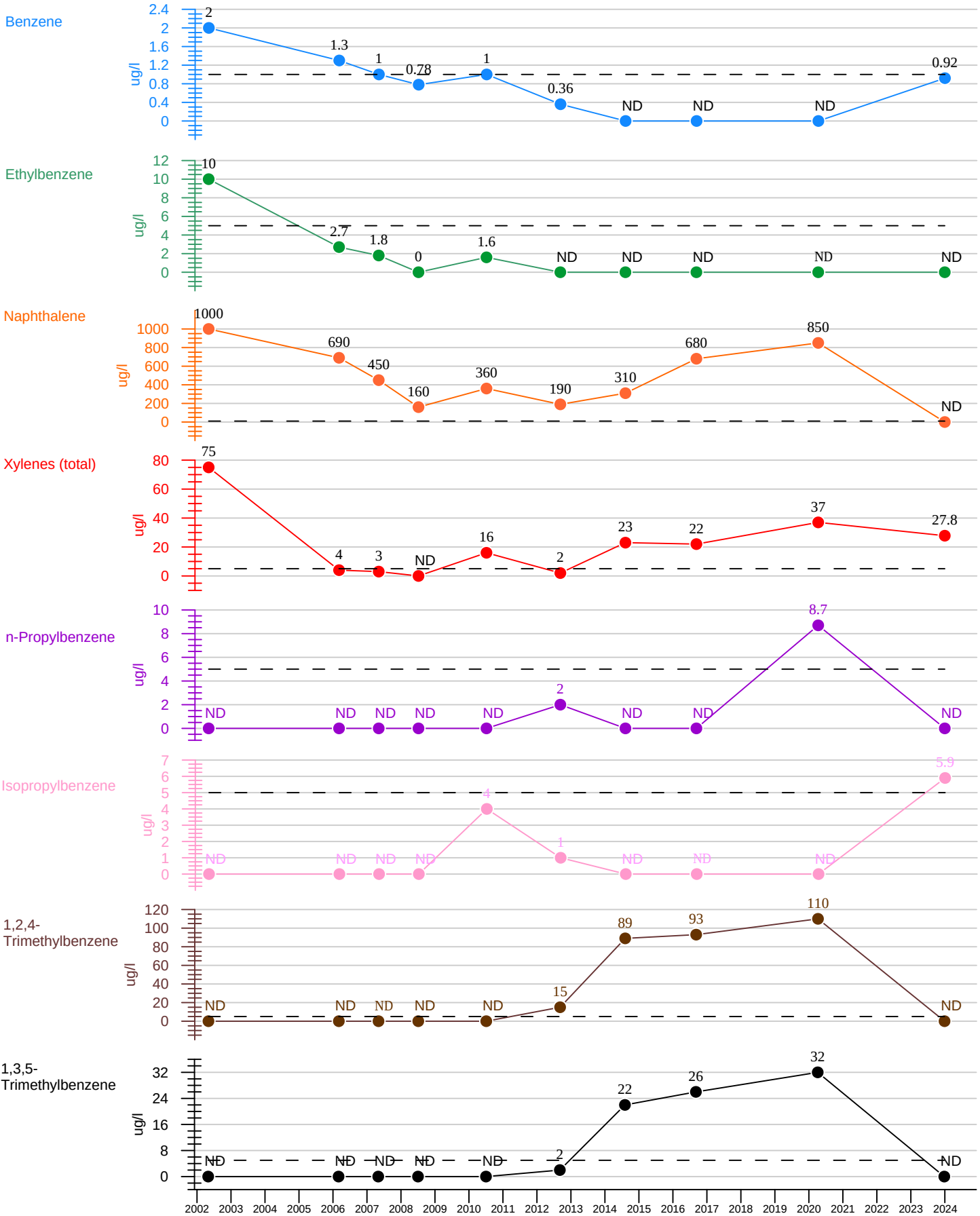
Table 1
Groundwater Analytical Results (Detections Only)
VOCs, SVOCs, Pesticides, and Metals
Former Independent Leather Site
Site #B00158
321-333 South Main Street, Gloversville, NY

Sample ID	NYSDEC	OFF33									OFF35								
Date Sampled	Class GA Criteria	Mar-06	Apr-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	Dec-23	Mar-06	Apr-07	Jul-08	Jul-10	Sep-12	Aug-14	Aug-16	May-20	Dec-23
VOC by EPA Method 8260, (ug/L)																			
Acetone	50	ND	ND	**1.5 J**	**1.5 J**	**7.5**	ND	**2 J**	ND	NS	ND	ND	**1.1 J**	**1.1 J**	ND	ND	ND	**17**	ND
Benzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	ND	ND	ND	ND	**1.7 J**	ND	**1.9 J**	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	**0.08 J**	NS	NS
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	**4.4**	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Diethylbenzene	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC by EPA Method 8270, (ug/L)																			
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Anthracene	50	ND	**0.65 J**	ND	ND	**0.07 J**	ND	ND	**0.02 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Benzo(a)anthracene	0.002	ND	**1.9 J**	ND	ND	**0.24**	**0.1 J**	**0.08 J**	**0.06 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Benzo(a)pyrene	NP	ND	**1.5 J**	ND	ND	**0.34**	**0.14 J**	**0.06 J**	**0.06 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Benzo(b)fluoranthene	0.002	ND	**2 J**	ND	ND	**0.27**	**0.13 J**	**0.12 J**	**0.08 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Benzo(g,h,i)perylene	NP	ND	**0.85 J**	ND	ND	**0.19 J**	ND	**0.07 J**	**0.05 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Benzo(k)fluoranthene	0.002	ND	**0.96 J**	ND	ND	**0.22**	ND	**0.05 J**	**0.03 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Carbazole	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Chrysene	0.002	ND	ND	ND	ND	**0.19 J**	**0.09 J**	**0.07 J**	**0.05 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Dibenzo(a,h)anthracene	NP	ND	ND	ND	ND	**0.14 J**	**0.1 J**	ND	**0.08 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Di-n-butyl phthalate	50	ND	ND	ND	ND	**1 J**	ND	ND	ND	NS	**1 J**	ND	ND	ND	ND	ND	ND	NS	NS
Fluoranthene	50	ND	**3.5 J**	ND	ND	**0.42**	**0.19 J**	**0.14 J**	**0.1**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Fluorene	50	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	ND	**0.22**	**0.18 J**	**0.06 J**	**0.06 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Pentachlorophenol	NP	ND	ND	ND	ND	ND	ND	**1.7**	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Phenanthrene	50	ND	**2.4 J**	ND	ND	**0.17 J**	**0.08 J**	**0.07 J**	**0.06 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Phenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Pyrene	50	ND	**3.2 J**	ND	ND	**0.38**	**0.17 J**	**0.12 J**	**0.09 J**	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,4,5-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,4,6-Trichlorophenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,4-Dichlorophenol	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
2-Methylnaphthalene	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	**0.07 J**	NS	NS
4-Chloro-3-methylphenol	NP	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
4-Methylphenol	1	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	NS	NS
Pesticides by EPA Method 8081, (ug/L)																			
Aldrin	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
alpha-BHC	0.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
beta-BHC	0.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-BHC (Lindane)	0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
delta-BHC	0.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
gamma-Chlordane	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4,4'-DDE	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endosulfan I	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin aldehyde	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Endrin	NP	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor	0.04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Heptachlor epoxide	0.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Metals by EPA Methods 6010 and 9012, (ug/L)																			
Arsenic	25	ND	ND	**5 J**	ND	**6.1**	**6.2**	**7**	NS	NS	ND	ND	**14 J**	**24.6**	**12**	**15.5**	**11**	**5.59**	**61.5**
Chromium	50	**35**	**16**	**6 J**	**1 J**	**5**	**6.2 J**	**40**	NS	NS	**11.5**	**82**	**60**	9	**78.4**	**18**	**240**	**200.4**	**747**
Iron	300	**1,360**	ND	**2,500**	**2,340**	**5,460**	**1,300**	**11,000**	NS	NS	**6,780**	**8,100**	**5,500**	**5,800**	**6,030**	**4,300**	**6,200**	**1,900**	**28,900**
Magnesium	35,000	**5,900**	**11,900**	**6,900**	**6,000**	**7,550**	**3,100**	**7,800**	NS	NS	**21,700**	**28,900**	**18,000**	**18,300**	**12,000**	**16,000**	**16,000**	**11,900**	**16,200**
Manganese	300	**263**	**9.8 J**	**64**	**60.2 J**	**80.1 J**	**35.2**	**123**	NS	NS	**359**	**1,100**	**270**	**223**	**210.9**	**197**	**185**	**53.8**	**1,680**
Sodium	20,000	**16,200**	**40,500**	**26,600**	**9,380**	**27,500**	**66,000**	**42,000**	NS	NS	**19,700**	**20,500**	**18,200**	**19,100**	**14,700**	**19,000**	**22,000**	**5,900**	**2,460**

Legend	
<1	Parameter not detcted above the laboratory reporting limit
1	Parameter reported above the laboratory reporting limit but below the appilicable regulatory standard/criterion
1	Parameter reported at a concentration greater than NYSDEC Class GA Criteria

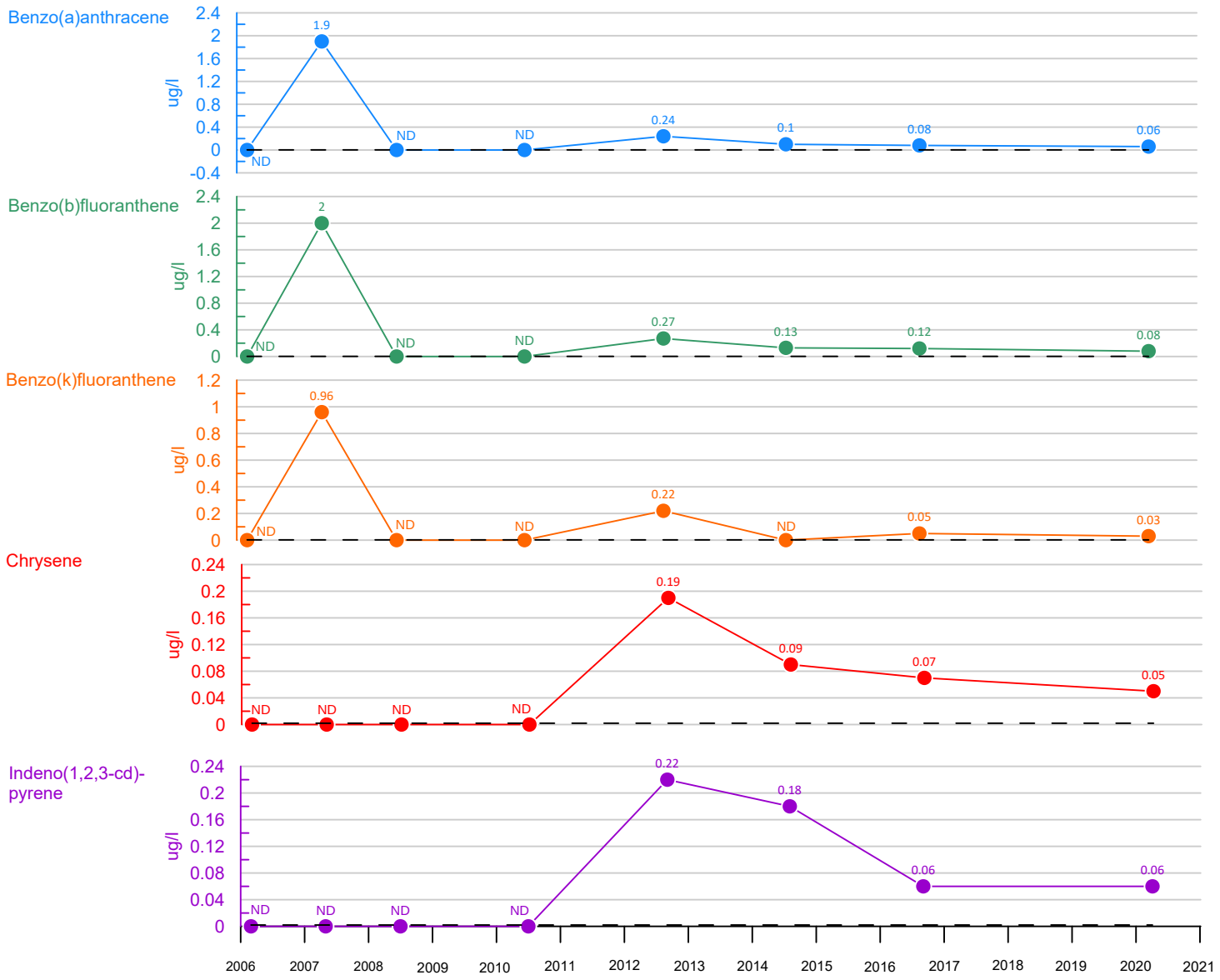
Notes:
ug/l = micrograms per liter; NYSDEC = New York State Department of Environmental Conservation; NP = Not Promulgated
NA = Not Applicable; NS = Not Sampled; ND = Not Detected
J = estimated concentration; N = spiked sample recovery outside of control limits; DL = laboratory dilution applied
H = alternate peak selection upon analytical review; M = manually integrated compound
B = value obtained from a reading less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

Former Independent Leather Tannery Site No. B00158
Groundwater Results 2002-2023
VOCs & SVOCs - MW-10



HRP Associates, Inc.

Former Independent Leather Tannery Site No. B00158
Groundwater Results 2006-2023
SVOCs - OFF33



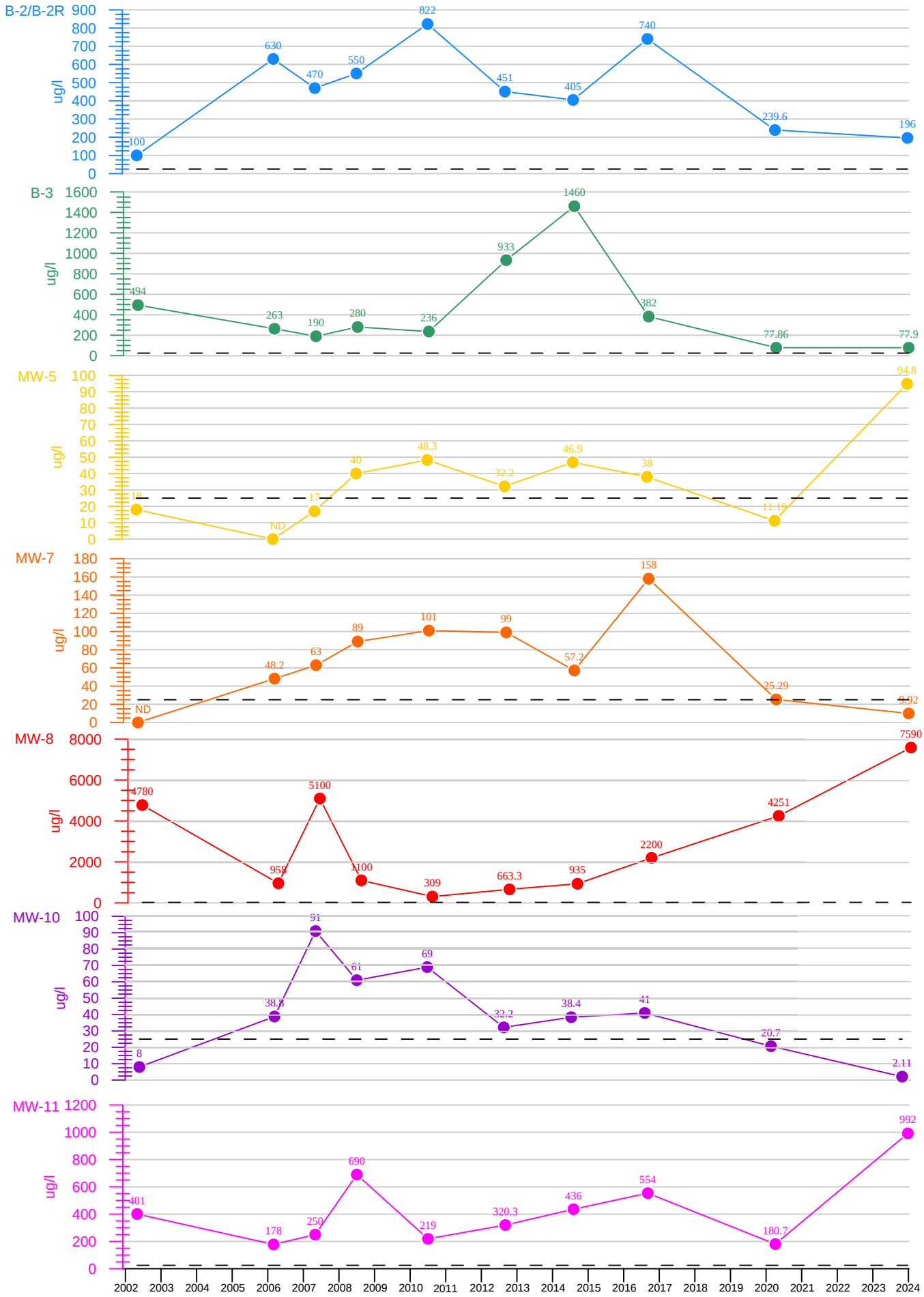
Legend

– – – NYSDEC Class GA Criteria

ND = Non-Detect

HRP Associates, Inc.

Former Independent Leather Tannery (Site No. B00158)
Groundwater Results 2002-2023
Arsenic



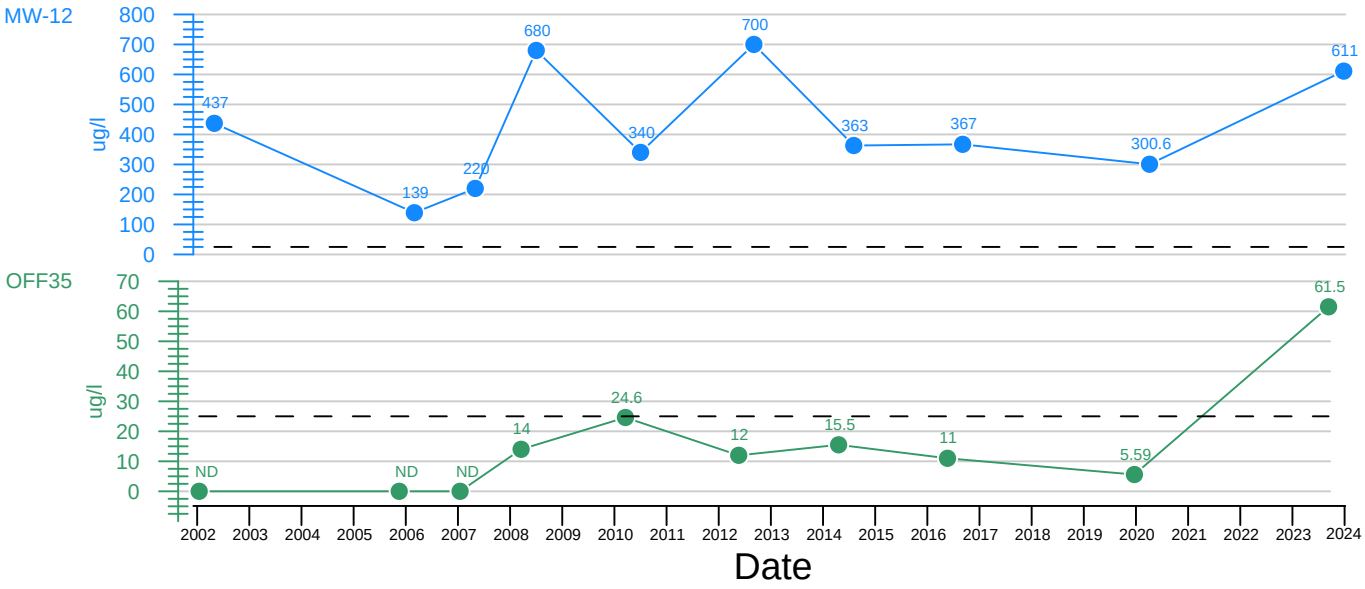
Legend

— — NYSDEC Class GA Critera

ND = Non-Detect

HRP Associates, Inc.

Former Independent Leather Tannery (Site No. B00158)
Groundwater Results 2002-2023
Arsenic

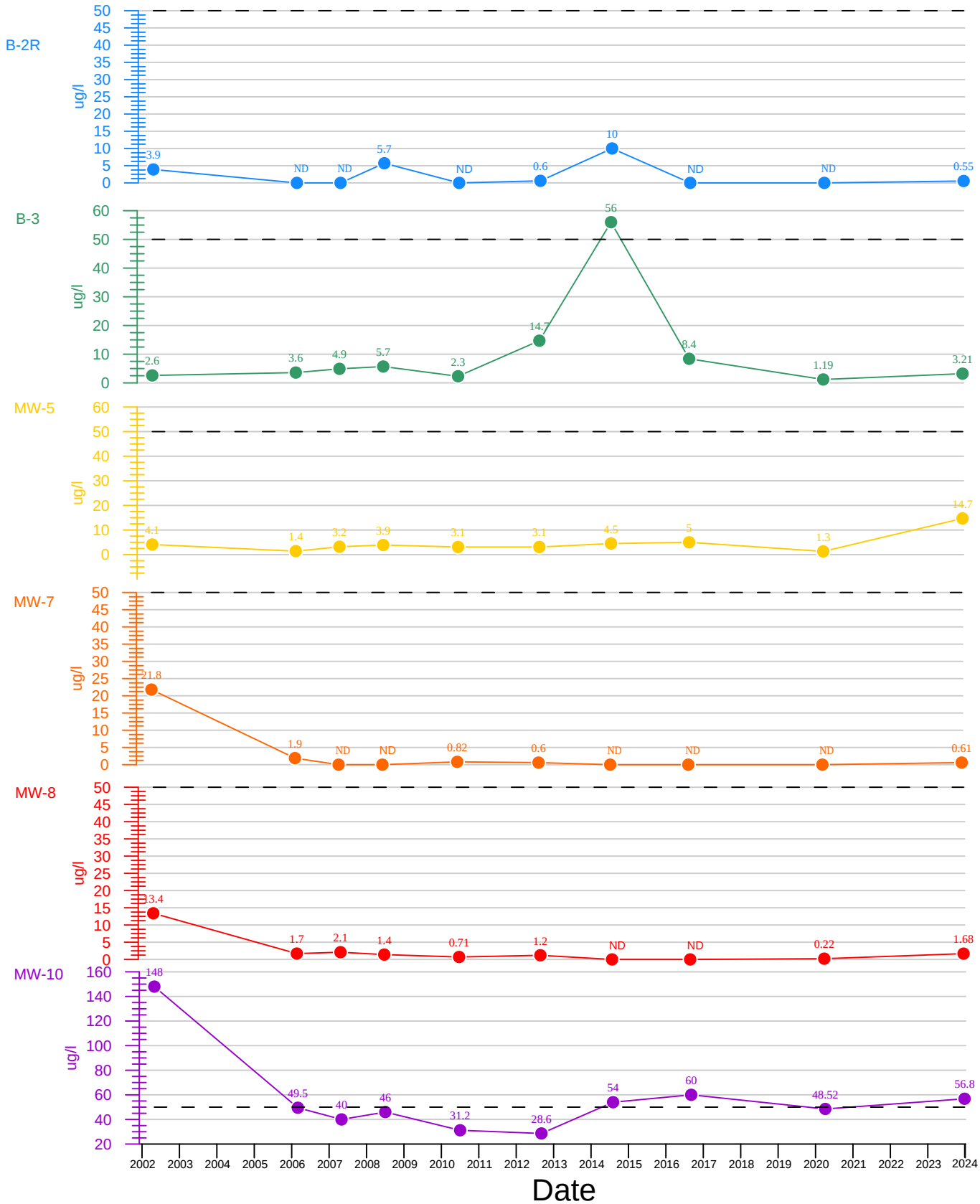


Legend

— NYSDEC Class GA Critera

ND = Non-Detect

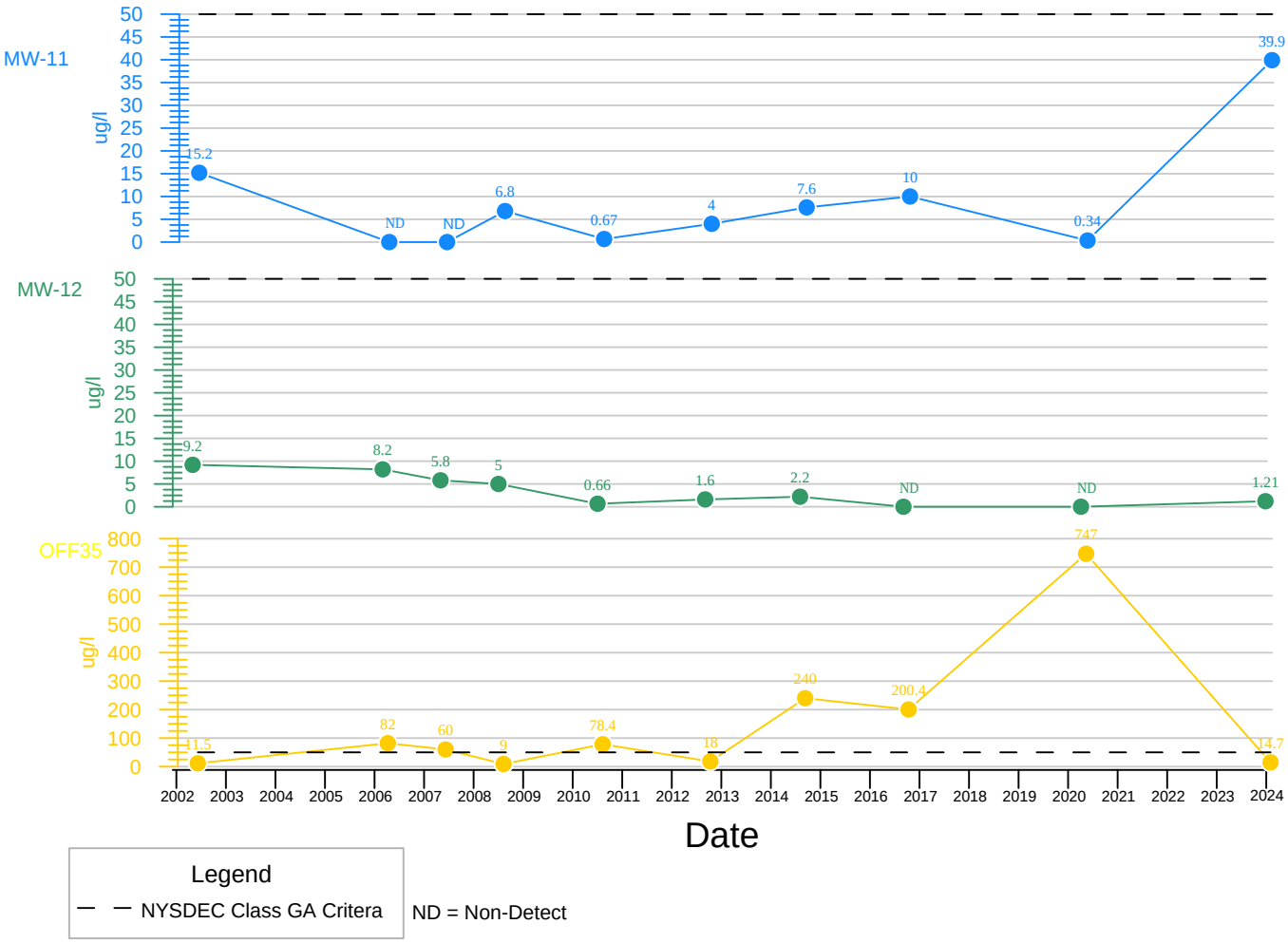
Former Independent Leather Tannery Site No. B00158
Groundwater Results 2002-2023
Chromium



Legend

– – – NYSDEC Class GA Criteria

Former Independent Leather Tannery Site No. B00158
Groundwater Results 2002-2023
Chromium



Legend

— NYSDEC Class GA Critera

ND = Non-Detect

APPENDIX J

2023 Groundwater Laboratory Report

ANALYTICAL REPORT

Lab Number:	L2375032
Client:	HRP Associates, Inc. 1 Fairchild Square Suite 110 Clifton Park, NY 12065
ATTN:	Patrick Montuori
Phone:	(518) 877-7101
Project Name:	FORMER INDEPENDENT LEATHER-GW
Project Number:	GLO8016.GW
Report Date:	01/10/24

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: FORMER INDEPENDENT LEATHER-GW
Project Number: GLO8016.GW

Lab Number: L2375032
Report Date: 01/10/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2375032-01	B-2R	WATER	GLOVERSVILLE, NY	12/19/23 13:45	12/19/23
L2375032-02	B-3	WATER	GLOVERSVILLE, NY	12/19/23 13:06	12/19/23
L2375032-03	MW-5	WATER	GLOVERSVILLE, NY	12/19/23 11:15	12/19/23
L2375032-04	MW-7	WATER	GLOVERSVILLE, NY	12/19/23 11:10	12/19/23
L2375032-05	MW-8	WATER	GLOVERSVILLE, NY	12/19/23 12:03	12/19/23
L2375032-06	MW-10	WATER	GLOVERSVILLE, NY	12/19/23 12:17	12/19/23
L2375032-07	MW-11	WATER	GLOVERSVILLE, NY	12/19/23 12:55	12/19/23
L2375032-08	MW-12	WATER	GLOVERSVILLE, NY	12/19/23 14:13	12/19/23
L2375032-09	OFF35	WATER	GLOVERSVILLE, NY	12/19/23 13:45	12/19/23
L2375032-10	TRIP BLANK	WATER	GLOVERSVILLE, NY	12/19/23 00:00	12/19/23

Project Name:	FORMER INDEPENDENT LEATHER-GW	**Lab Number:**	L2375032
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER-GW	**Lab Number:**	L2375032
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

Case Narrative (continued)

Report Revision

January 10, 2024: The Client ID was amended on L2375032-08.

January 10, 2024: The Project Name has been amended.

Report Submission

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

Semivolatile Organics

L2375032-06: The sample has elevated detection limits due to limited sample volume available for analysis.

Semivolatile Organics by SIM

L2375032-06: The sample has elevated detection limits due to limited sample volume available for analysis. The WG1867715-1 Method Blank, associated with L2375032-06, has a concentration above the reporting limit for Naphthalene and 2-Methylnaphthalene. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

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 Caitlin Walukevich

Title: Technical Director/Representative Date: 01/10/24

ORGANICS

VOLATILES

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-04
Client ID: MW-7
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 11:10
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/24/23 06:23
Analyst: MJV

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

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-04 Date Collected: 12/19/23 11:10

Client ID: MW-7 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-06
Client ID: MW-10
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 12:17
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/24/23 05:57
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	4.5		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.92		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.11	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-06 Date Collected: 12/19/23 12:17

Client ID: MW-10 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	26		ug/l	2.5	0.70	1
o-Xylene	1.8	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	5.9		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-09
Client ID: OFF35
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 13:45
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/24/23 06:49
Analyst: MJV

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

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-09 Date Collected: 12/19/23 13:45

Client ID: OFF35 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-10
Client ID: TRIP BLANK
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 00:00
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 12/24/23 05:31
Analyst: MJV

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

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-10 Date Collected: 12/19/23 00:00

Client ID: TRIP BLANK Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/24/23 04:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06,09-10 Batch: WG1868099-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/24/23 04:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06,09-10 Batch: WG1868099-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 12/24/23 04:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04,06,09-10 Batch: WG1868099-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06,09-10 Batch: WG1868099-3 WG1868099-4								
Methylene chloride	99		98		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	97		97		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	99		98		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	99		99		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	98		96		70-130	2		20
Bromoform	90		88		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	96		96		64-130	0		20
Bromomethane	**36**	Q	**37**	Q	39-139	3		20
Vinyl chloride	110		100		55-140	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06,09-10 Batch: WG1868099-3 WG1868099-4								
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	110		110		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	86		86		63-130	0		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		92		58-148	8		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	84		82		63-138	2		20
4-Methyl-2-pentanone	89		92		59-130	3		20
2-Hexanone	82		84		57-130	2		20
Bromochloromethane	96		95		70-130	1		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	84		83		41-144	1		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	86		88		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,06,09-10 Batch: WG1868099-3 WG1868099-4								
1,2,4-Trichlorobenzene	93		93		70-130	0		20
Methyl Acetate	89		89		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	88		84		56-162	5		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	106		107		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-06
Client ID: MW-10
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 12:17
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 12/24/23 15:21
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/23/23 16:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	3.9	0.99	1
3,3'-Dichlorobenzidine	ND		ug/l	9.8	3.2	1
2,4-Dinitrotoluene	ND		ug/l	9.8	2.3	1
2,6-Dinitrotoluene	ND		ug/l	9.8	1.8	1
4-Chlorophenyl phenyl ether	ND		ug/l	3.9	0.96	1
4-Bromophenyl phenyl ether	ND		ug/l	3.9	0.74	1
Bis(2-chloroisopropyl)ether	ND		ug/l	3.9	1.0	1
Bis(2-chloroethoxy)methane	ND		ug/l	9.8	0.98	1
Hexachlorocyclopentadiene	ND		ug/l	39	1.4	1
Isophorone	ND		ug/l	9.8	2.4	1
Nitrobenzene	ND		ug/l	3.9	1.5	1
NDPA/DPA	ND		ug/l	3.9	0.82	1
n-Nitrosodi-n-propylamine	ND		ug/l	9.8	1.3	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	5.9	3.0	1
Butyl benzyl phthalate	ND		ug/l	9.8	2.3	1
Di-n-butylphthalate	ND		ug/l	9.8	0.76	1
Di-n-octylphthalate	ND		ug/l	9.8	2.5	1
Diethyl phthalate	ND		ug/l	9.8	0.75	1
Dimethyl phthalate	ND		ug/l	9.8	3.6	1
Biphenyl	ND		ug/l	3.9	0.90	1
4-Chloroaniline	ND		ug/l	9.8	2.1	1
2-Nitroaniline	ND		ug/l	9.8	0.98	1
3-Nitroaniline	ND		ug/l	9.8	1.6	1
4-Nitroaniline	ND		ug/l	9.8	1.6	1
Dibenzofuran	ND		ug/l	3.9	0.98	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	20	0.86	1
Acetophenone	ND		ug/l	9.8	1.0	1
2,4,6-Trichlorophenol	ND		ug/l	9.8	1.2	1

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-06 Date Collected: 12/19/23 12:17

Client ID: MW-10 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	3.9	0.69	1
2-Chlorophenol	ND		ug/l	3.9	0.94	1
2,4-Dichlorophenol	ND		ug/l	9.8	0.81	1
2,4-Dimethylphenol	ND		ug/l	9.8	3.5	1
2-Nitrophenol	ND		ug/l	20	1.7	1
4-Nitrophenol	ND		ug/l	20	1.3	1
2,4-Dinitrophenol	ND		ug/l	39	13.	1
4,6-Dinitro-o-cresol	ND		ug/l	20	3.6	1
Phenol	ND		ug/l	9.8	1.1	1
2-Methylphenol	ND		ug/l	9.8	0.96	1
3-Methylphenol/4-Methylphenol	ND		ug/l	9.8	0.94	1
2,4,5-Trichlorophenol	ND		ug/l	9.8	1.5	1
Carbazole	ND		ug/l	3.9	0.96	1
Atrazine	ND		ug/l	20	1.5	1
Benzaldehyde	ND		ug/l	9.8	1.0	1
Caprolactam	ND		ug/l	20	6.4	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	9.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	27		23-120
2-Fluorobiphenyl	33		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	50		41-149

Project Name: FORMER INDEPENDENT LEATHER-GW
Lab Number: L2375032
Project Number: GLO8016.GW
Report Date: 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-06
Client ID: MW-10
Sample Location: GLOVERSVILLE, NY

Date Collected: 12/19/23 12:17
Date Received: 12/19/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 12/26/23 12:44
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 12/23/23 16:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.08	J	ug/l	0.20	0.03	1
2-Chloronaphthalene	ND		ug/l	0.39	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.98	0.09	1
Naphthalene	ND		ug/l	0.20	0.10	1
Benzo(a)anthracene	ND		ug/l	0.20	0.04	1
Benzo(a)pyrene	ND		ug/l	0.20	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.02	1
Chrysene	ND		ug/l	0.20	0.02	1
Acenaphthylene	ND		ug/l	0.20	0.02	1
Anthracene	ND		ug/l	0.20	0.03	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.03	1
Fluorene	0.07	J	ug/l	0.20	0.03	1
Phenanthrene	ND		ug/l	0.20	0.05	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.03	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.02	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.04	1
Pentachlorophenol	ND		ug/l	1.6	0.03	1
Hexachlorobenzene	ND		ug/l	1.6	0.02	1
Hexachloroethane	ND		ug/l	1.6	0.12	1

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-06 Date Collected: 12/19/23 12:17

Client ID: MW-10 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	35		23-120
2-Fluorobiphenyl	40		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	56		41-149

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/24/23 13:09
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 12/23/23 09:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1867714-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 12/24/23 13:09
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 12/23/23 09:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1867714-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	71		41-149

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/23/23 15:59
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 12/23/23 09:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1867715-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	1.2		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	0.05	J	ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	0.03	J	ug/l	0.10	0.01
Phenanthrene	0.04	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.14		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: FORMER INDEPENDENT LEATHER-GW
Project Number: GLO8016.GW
Lab Number: L2375032
Report Date: 01/10/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 12/23/23 15:59
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 12/23/23 09:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 06 Batch: WG1867715-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	49		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1867714-2 WG1867714-3								
Bis(2-chloroethyl)ether	56		45		40-140	22		30
3,3'-Dichlorobenzidine	48		41		40-140	16		30
2,4-Dinitrotoluene	69		57		48-143	19		30
2,6-Dinitrotoluene	59		50		40-140	17		30
4-Chlorophenyl phenyl ether	57		47		40-140	19		30
4-Bromophenyl phenyl ether	59		49		40-140	19		30
Bis(2-chloroisopropyl)ether	56		43		40-140	26		30
Bis(2-chloroethoxy)methane	57		44		40-140	26		30
Hexachlorocyclopentadiene	59		45		40-140	27		30
Isophorone	52		41		40-140	24		30
Nitrobenzene	62		45		40-140	**32**	Q	30
NDPA/DPA	58		47		40-140	21		30
n-Nitrosodi-n-propylamine	55		41		29-132	29		30
Bis(2-ethylhexyl)phthalate	59		50		40-140	17		30
Butyl benzyl phthalate	58		48		40-140	19		30
Di-n-butylphthalate	56		45		40-140	22		30
Di-n-octylphthalate	56		47		40-140	17		30
Diethyl phthalate	57		48		40-140	17		30
Dimethyl phthalate	56		45		40-140	22		30
Biphenyl	64		51		40-140	23		30
4-Chloroaniline	57		40		40-140	**35**	Q	30
2-Nitroaniline	64		53		52-143	19		30
3-Nitroaniline	66		53		25-145	22		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW
Project Number: GLO8016.GW
Lab Number: L2375032
Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1867714-2 WG1867714-3								
4-Nitroaniline	62		51		51-143	19		30
Dibenzofuran	64		51		40-140	23		30
1,2,4,5-Tetrachlorobenzene	67		56		2-134	18		30
Acetophenone	59		47		39-129	23		30
2,4,6-Trichlorophenol	62		53		30-130	16		30
p-Chloro-m-cresol	59		48		23-97	21		30
2-Chlorophenol	60		48		27-123	22		30
2,4-Dichlorophenol	62		50		30-130	21		30
2,4-Dimethylphenol	43		32		30-130	29		30
2-Nitrophenol	77		64		30-130	18		30
4-Nitrophenol	58		45		10-80	25		30
2,4-Dinitrophenol	97		86		20-130	12		30
4,6-Dinitro-o-cresol	90		78		20-164	14		30
Phenol	43		34		12-110	23		30
2-Methylphenol	56		44		30-130	24		30
3-Methylphenol/4-Methylphenol	58		44		30-130	27		30
2,4,5-Trichlorophenol	69		50		30-130	**32**	Q	30
Carbazole	59		**47**	Q	55-144	23		30
Atrazine	57		47		40-140	19		30
Benzaldehyde	60		44		40-140	**31**	Q	30
Caprolactam	30		24		10-130	22		30
2,3,4,6-Tetrachlorophenol	65		51		40-140	24		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1867714-2 WG1867714-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		45		21-120
Phenol-d6	45		37		10-120
Nitrobenzene-d5	62		46		23-120
2-Fluorobiphenyl	60		44		15-120
2,4,6-Tribromophenol	75		53		10-120
4-Terphenyl-d14	62		49		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW
Project Number: GLO8016.GW
Lab Number: L2375032
Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1867715-2 WG1867715-3								
Acenaphthene	49		44		40-140	11		40
2-Chloronaphthalene	50		45		40-140	11		40
Fluoranthene	47		43		40-140	9		40
Hexachlorobutadiene	48		42		40-140	13		40
Naphthalene	50		44		40-140	13		40
Benzo(a)anthracene	49		44		40-140	11		40
Benzo(a)pyrene	50		47		40-140	6		40
Benzo(b)fluoranthene	52		48		40-140	8		40
Benzo(k)fluoranthene	49		45		40-140	9		40
Chrysene	46		43		40-140	7		40
Acenaphthylene	52		48		40-140	8		40
Anthracene	49		45		40-140	9		40
Benzo(ghi)perylene	47		45		40-140	4		40
Fluorene	50		46		40-140	8		40
Phenanthrene	47		43		40-140	9		40
Dibenzo(a,h)anthracene	50		47		40-140	6		40
Indeno(1,2,3-cd)pyrene	45		42		40-140	7		40
Pyrene	47		43		40-140	9		40
2-Methylnaphthalene	51		46		40-140	10		40
Pentachlorophenol	53		47		40-140	12		40
Hexachlorobenzene	51		46		40-140	10		40
Hexachloroethane	49		44		40-140	11		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 06 Batch: WG1867715-2 WG1867715-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		40		21-120
Phenol-d6	39		36		10-120
Nitrobenzene-d5	56		49		23-120
2-Fluorobiphenyl	49		42		15-120
2,4,6-Tribromophenol	59		51		10-120
4-Terphenyl-d14	42		**39**	Q	41-149

METALS

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-01 Date Collected: 12/19/23 13:45

Client ID: B-2R Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.1964		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 13:30	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00055	J	mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 13:30	EPA 3005A	1,6020B	EJF
Iron, Total	0.162		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 13:30	EPA 3005A	1,6020B	EJF
Magnesium, Total	15.1		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 13:30	EPA 3005A	1,6020B	EJF
Manganese, Total	0.02314		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 13:30	EPA 3005A	1,6020B	EJF
Sodium, Total	3.80		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 13:30	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-02 Date Collected: 12/19/23 13:06

Client ID: B-3 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.07788		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 13:35	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00321		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 13:35	EPA 3005A	1,6020B	EJF
Iron, Total	0.592		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 13:35	EPA 3005A	1,6020B	EJF
Magnesium, Total	21.6		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 13:35	EPA 3005A	1,6020B	EJF
Manganese, Total	0.01102		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 13:35	EPA 3005A	1,6020B	EJF
Sodium, Total	5.07		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 13:35	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-03 Date Collected: 12/19/23 11:15

Client ID: MW-5 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.09476		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 13:39	EPA 3005A	1,6020B	EJF
Chromium, Total	0.01466		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 13:39	EPA 3005A	1,6020B	EJF
Iron, Total	26.2		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 13:39	EPA 3005A	1,6020B	EJF
Magnesium, Total	15.3		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 13:39	EPA 3005A	1,6020B	EJF
Manganese, Total	0.4778		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 13:39	EPA 3005A	1,6020B	EJF
Sodium, Total	247.		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 13:39	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-04 Date Collected: 12/19/23 11:10

Client ID: MW-7 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00992		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 13:44	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00061	J	mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 13:44	EPA 3005A	1,6020B	EJF
Iron, Total	7.37		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 13:44	EPA 3005A	1,6020B	EJF
Magnesium, Total	9.56		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 13:44	EPA 3005A	1,6020B	EJF
Manganese, Total	0.2077		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 13:44	EPA 3005A	1,6020B	EJF
Sodium, Total	24.9		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 13:44	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-05 Date Collected: 12/19/23 12:03

Client ID: MW-8 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	7.592		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 13:48	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00168		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 13:48	EPA 3005A	1,6020B	EJF
Iron, Total	0.594		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 13:48	EPA 3005A	1,6020B	EJF
Magnesium, Total	8.11		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 13:48	EPA 3005A	1,6020B	EJF
Manganese, Total	0.01101		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 13:48	EPA 3005A	1,6020B	EJF
Sodium, Total	21.0		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 13:48	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-06 Date Collected: 12/19/23 12:17

Client ID: MW-10 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00211		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 14:08	EPA 3005A	1,6020B	EJF
Chromium, Total	0.05680		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 14:08	EPA 3005A	1,6020B	EJF
Iron, Total	12.1		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 14:08	EPA 3005A	1,6020B	EJF
Magnesium, Total	19.8		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 14:08	EPA 3005A	1,6020B	EJF
Manganese, Total	0.3218		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 14:08	EPA 3005A	1,6020B	EJF
Sodium, Total	12.9		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 14:08	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-07 Date Collected: 12/19/23 12:55

Client ID: MW-11 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.9918		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 14:13	EPA 3005A	1,6020B	EJF
Chromium, Total	0.03990		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 14:13	EPA 3005A	1,6020B	EJF
Iron, Total	34.1		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 14:13	EPA 3005A	1,6020B	EJF
Magnesium, Total	13.0		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 14:13	EPA 3005A	1,6020B	EJF
Manganese, Total	0.4075		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 14:13	EPA 3005A	1,6020B	EJF
Sodium, Total	21.8		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 14:13	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-08 Date Collected: 12/19/23 14:13

Client ID: MW-12 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.6112		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 14:18	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00121		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 14:18	EPA 3005A	1,6020B	EJF
Iron, Total	3.57		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 14:18	EPA 3005A	1,6020B	EJF
Magnesium, Total	20.6		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 14:18	EPA 3005A	1,6020B	EJF
Manganese, Total	0.2173		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 14:18	EPA 3005A	1,6020B	EJF
Sodium, Total	16.7		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 14:18	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

SAMPLE RESULTS

Lab ID: L2375032-09 Date Collected: 12/19/23 13:45

Client ID: OFF35 Date Received: 12/19/23

Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.06148		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 14:22	EPA 3005A	1,6020B	EJF
Chromium, Total	0.7466		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 14:22	EPA 3005A	1,6020B	EJF
Iron, Total	28.9		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 14:22	EPA 3005A	1,6020B	EJF
Magnesium, Total	16.2		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 14:22	EPA 3005A	1,6020B	EJF
Manganese, Total	1.679		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 14:22	EPA 3005A	1,6020B	EJF
Sodium, Total	2.46		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 14:22	EPA 3005A	1,6020B	EJF

Project Name: FORMER INDEPENDENT LEATHER-GW **Lab Number:** L2375032

Project Number: GLO8016.GW **Report Date:** 01/10/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1866490-1										
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	12/21/23 18:04	12/22/23 12:12	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	12/21/23 18:04	12/22/23 12:12	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	12/21/23 18:04	12/22/23 12:12	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	12/21/23 18:04	12/22/23 12:12	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00200	0.00044	1	12/21/23 18:04	12/22/23 12:12	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	12/21/23 18:04	12/22/23 12:12	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1866490-2								
Arsenic, Total	107		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Iron, Total	107		-		80-120	-		
Magnesium, Total	95		-		80-120	-		
Manganese, Total	107		-		80-120	-		
Sodium, Total	98		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW
Project Number: GLO8016.GW

Lab Number: L2375032
Report Date: 01/10/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1866490-3 QC Sample: L2374595-01 Client ID: MS Sample												
Arsenic, Total	0.0013	0.12	0.1254	103		-	-		75-125	-		20
Chromium, Total	0.00181	0.2	0.2084	103		-	-		75-125	-		20
Iron, Total	1.38	1	2.41	103		-	-		75-125	-		20
Magnesium, Total	1.47	10	11.3	98		-	-		75-125	-		20
Manganese, Total	0.0510	0.5	0.5818	106		-	-		75-125	-		20
Sodium, Total	4.30	10	14.2	99		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: FORMER INDEPENDENT LEATHER-GW

Project Number: GLO8016.GW

Lab Number: L2375032

Report Date: 01/10/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1866490-4 QC Sample: L2374595-01 Client ID: DUP Sample						
Chromium, Total	0.00181	0.00180	mg/l	0		20
Iron, Total	1.38	1.38	mg/l	0		20

Project Name: FORMER INDEPENDENT LEATHER-GW
Project Number: GLO8016.GW

Lab Number: L2375032
Report Date: 01/10/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2375032-01A	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-02A	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-03A	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-04A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2375032-04B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2375032-04C	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-05A	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-06A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2375032-06B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2375032-06C	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-LVI(7)
L2375032-06D	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-LVI(7)
L2375032-06E	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-07A	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-08A	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-09A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2375032-09B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: FORMER INDEPENDENT LEATHER-GW
Project Number: GLO8016.GW

Lab Number: L2375032
Report Date: 01/10/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2375032-09C	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		FE-6020T(180),CR-6020T(180),NA-6020T(180),MN-6020T(180),AS-6020T(180),MG-6020T(180)
L2375032-10A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)
L2375032-10B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	FORMER INDEPENDENT LEATHER-GW	**Lab Number:**	L2375032
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER-GW	**Lab Number:**	L2375032
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER-GW	**Lab Number:**	L2375032
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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:	FORMER INDEPENDENT LEATHER-GW	**Lab Number:**	L2375032
Project Number:	GLO8016.GW	**Report Date:**	01/10/24

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; 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.
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, SM9221E, 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.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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TEL: 508-898-9220
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320 Forbes Blvd
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FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 12/20/23

ALPHA Job #: L2375032

Client Information
Client: HRP Associates, Inc.
Address: 1 Fairchild Sq, Suite 110
Clifton Park, NY 12065
Phone: (518) 877-7101
Fax:
Email: Patrick.Montuori@hrpassociates.com

Project Information
Project Name: Former Independent Leather - GW
Project Location: Gloversville, NY
Project # GL09016.GW
(Use Project name as Project #) ☐
Project Manager: Patrick Montuori
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:

Please specify Metals or TAL. Metals → As, Cr, Fe, Mg, Mn, Na (6010B

ANALYSIS

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	Total Metals (see left)	TCL VOCs (8260)	NYTCL SVOCs-8270E(Lim)						Sample Specific Comments	Total Bottle
75032-01	B-2R	12/19/23	1345	GW	EJ/NZ	1									1
02	B-3	↓	1306	GW	↓	1									1
03	MW-5	↓	1115	GW	↓	1									1
04	MW-7	↓	1110	GW	↓	1	2								3
05	MW-8	↓	1203	GW	↓	1									1
06	MW-10	↓	1217	GW	↓	1	2	2							5
07	MW-11	↓	1255	GW	↓	1									1
08	MW-17	↓	1413	GW	↓	1									1
09	OFF 35	↓	1345	GW	↓	1	2								3
10	Trip Blank	↓	✓	GW	Alpha		2								2

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

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

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

Container Type	P	G	AG						
Preservative	C (HNO_3)	B (HCl)	A (N)						

Relinquished By:	Date/Time	Received By:	Date/Time
	12/19/23 5:10pm		12/19/23 1710
	12/19/23 1710		12/20/23 0030

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)