

FINAL

Release Investigation Report Tank Group 09

Former Philadelphia Energy Solutions Refinery
3144 West Passyunk Avenue
Philadelphia, Pennsylvania
Incident #60221

Prepared for

Bellwether District Holdings, LLC
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Philadelphia, Pennsylvania

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Acronyms and Abbreviations

25 Pa. Code	Title 25 Pennsylvania Code
Act 2	Pennsylvania Land Recycling and Environmental Remediation Standards Act
Act 32	Storage Tank and Spill Prevention Act
AOI	Area of Interest
AOI 5 RIR	Remedial Investigation Report, Area of Interest 5
AST	aboveground storage tank
BDH	Bellwether District Holdings, LLC
bgs	below ground surface
CO&A	Consent Order & Agreement
COC	constituent of concern
Cumene Report	<i>AOI 5 Former Eastern Tank Farm Cumene Investigation</i>
DC	direct contact
Evergreen	Evergreen Resources Group, LLC; includes Sunoco, Inc. n/k/a ETC Sunoco Holdings LLC, Sunoco, Inc. (R&M) n/k/a Sunoco (R&M), LLC n/k/a Energy Transfer (R&M), LLC and Evergreen collectively referred to as “Evergreen”
Facility	former Philadelphia Energy Solutions refinery facility
ft	feet or foot
Girard Point	Girard Point Refinery
lb	pound
LNAPL	light non-aqueous phase liquid
mg/kg	milligrams per kilograms
MSC	medium-specific concentration
Non-Res	non-residential
PADEP	Pennsylvania Department of Environmental Protection
PESRM	Philadelphia Energy Solutions Refining and Marketing LLC
PID	photoionization detector
RAP	Remedial Action Plan
RACR	Remedial Action Completion Report
Report	<i>Release Investigation Report – Tank Group 09</i>
RL	reporting limit
RPD	relative percent difference
SGW	soil-to-groundwater
SHS	Statewide Health Standard
the Site	Tank Group 09 location within the former Philadelphia Energy Solutions refinery facility
SCR	Site Characterization Report



TDS	total dissolved solids
Terraphase	Terraphase Engineering Inc.
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
Work Plan	<i>Aboveground Storage Tank Closure Work Plan</i>



Certification

Pursuant to the requirements of the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2), adopted May 19, 1995, which states:

Interpretation of geologic and hydrogeologic data shall be prepared by a professional geologist licensed in this Commonwealth.

I hereby attest that, as a Professional Geologist licensed in the Commonwealth of Pennsylvania, I am familiar with, and have reviewed and/or prepared the interpretation of the geology and hydrogeology presented in the attached report entitled, *Release Investigation Report – Tank Group 09, Former Philadelphia Energy Solutions Refinery, 3144 West Passyunk Avenue, Philadelphia, Pennsylvania*, dated December 16, 2024.

Based on the available data represented in the report, I believe that the geologic and hydrogeologic interpretations made herein are reasonable and accurate.



Christopher Voci, PG
Senior Principal Geologist



December 16, 2024

Date

1 Introduction

Terraphase Engineering Inc. (Terraphase) has prepared this *Release Investigation Report* (the “Report”), on behalf of Bellwether District Holdings, LLC (BDH), formerly known as Philadelphia Energy Solutions Refining and Marketing LLC (PESRM), to detail the results of Site Assessment activities performed at Tank Group 09 (the “Site”) which is located within the Former Philadelphia Energy Solutions refinery facility (the “Facility”). The Facility, which is undergoing redevelopment, is located at 3144 West Passyunk Avenue, Philadelphia, Pennsylvania (**Figure 1**). Remediation activities are being conducted at the Facility under the Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2) by both BDH and Evergreen Resources Group, LLC (Evergreen)¹ in accordance with the Consent Order and Agreement (CO&A) among Pennsylvania Department of Environmental Protection (PADEP), Sunoco, Inc. (R&M) n/k/a Sunoco (R&M), LLC, and PESRM dated August 14, 2012 and the 2020 First Amendment to that Agreement (2020 Amendment). In accordance with the CO&A, Sunoco/Evergreen is responsible for addressing contamination at the Facility resulting from release(s) which occurred before September 8, 2012, i.e., “Pre-Existing Contamination”, and PESRM, now known as BDH, is responsible for addressing contamination at the Facility resulting from release(s) which occurred after September 8, 2012, i.e., “Post-September 2012 Contamination.”

The Site Assessment activities described in this Report were performed in accordance with the applicable provisions of The Storage Tank and Spill Prevention Act (Act 32), Title 25 of the Pennsylvania Code (25 Pa. Code) Chapter 245 (Subchapter D), and Terraphase’s (2021) *Aboveground Storage Tank Closure Work Plan* (Work Plan), which PADEP approved on April 23, 2021. As discussed in the Work Plan, closure of the aboveground storage tanks (AST) under Act 32 is being pursued through a group closure process, in which ASTs in the same general area (e.g., tank farm) have been demolished, removed, investigated, and evaluated at about the same time. Demolition of the tanks has been proceeding in phases from the north to the south with nine Tank Groups in all.

The data collected as part of the Site Assessment activities have been evaluated, in the context of prior investigations/assessments and environmental analytical data generated by others for this area, to determine whether contamination detected during Site Assessment sampling is (1) Pre-Existing Contamination, (2) Post-September 2012 Contamination associated with a release from an AST, or (3) Post-September 2012 Contamination not associated with a release from an AST. Pre-Existing Contamination will be addressed by Evergreen under its sitewide Act 2 case. Post-September 2012 Contamination, not associated with a release from an AST, will be addressed by BDH under Act 2. Post-September 2012 Contamination associated with a release from an AST will be addressed by BDH under Act 32.

¹ Evergreen Resources Management Operations, a series of Evergreen Resources Group, LLC, is managing the legacy remedial work for Philadelphia Refinery Operations, a series of Evergreen Resources Group, LLC (“Evergreen”) and Sunoco (R&M), LLC. For clarity, Sunoco, Inc. n/k/a ETC Sunoco Holdings LLC, Sunoco, Inc. (R&M) f/k/a Sunoco (R&M), LLC n/k/a Energy Transfer (R&M), LLC effective 4/19/2021 and Evergreen shall be referred to collectively as “Evergreen” in this Report.



The Work Plan also detailed a tank category system, in which tanks are classified into one of the following three categories:

- **Category 1.** Tanks less than or equal to 21,000 gallons and have no evidence of a release to the environment.
- **Category 2.** Tanks greater than 21,000 gallons and have no evidence of a release to the environment.
- **Category 3.** Tanks that have evidence of a release to the environment identified during infrastructure removal or sampling.

Tanks were initially classified as Categories 1 or 2. Category 1 tanks were inspected visually during demolition for release(s) to the environment. Category 2 tanks were inspected visually, and a Site Assessment sampling program was initiated at each tank. If indications of a release were identified through visual observation or sampling, the tank was reassigned to Category 3. Category 3 tank areas were sampled to characterize the nature and extent of contaminants and assess the need for remedial or interim actions.

Tank Group 09 (**Figure 2**) is located within a larger area of the Facility formerly referred to as the Girard Point Refinery (Girard Point). Evergreen is currently engaged in characterization and remediation work at the Facility under the Pennsylvania One Cleanup Program under the oversight of the PADEP and the United States Environmental Protection Agency (USEPA; eFACTS PF No. 748141). In its associated documentation, Evergreen has identified the area of the Facility where Tank Group 09 is located as Area of Interest (AOI) 5. As shown on **Figure 2**, Tank Group 09 is only a portion of the larger AOI 5. The 13 ASTs addressed in this Report are shown on **Figure 3** and listed in **Table 1**.

No tanks within Tank Group 09 were initially categorized as Category 1. This Report presents the results of the Site Assessment activities performed for the 13 tanks following the identification of potential releases to the environment during demolition and removal. It identifies those ASTs where potential releases to the environment were (and were not) identified based upon a comparison of the soil sampling results to the following Non-Residential (Non-Res) Statewide Health Standard (SHS) Medium-Specific Concentration (MSC) numeric values for soil:

- Non-Res MSCs for Direct Contact (DC) Exposure to Surface Soil (0-2 feet [ft])
- Non-Res MSCs for DC Exposure to Subsurface Soil (2-15 ft)
- Non-Res MSCs for Soil to Groundwater (SGW) (Used Aquifer, Total Dissolved Solids [TDS] \leq 2,500)

The three ASTs (i.e., GP R 1216, GP R 1217, and GP R 1220) for which soil concentrations of regulated substances were not greater than these applicable SHS MSCs were concluded to have “No Obvious Contamination – Sampling Results Meet Standards/Levels” and are considered closed in accordance with Act 32. For the remaining 10 ASTs (i.e., GP R 1205, GP R 1208, GP R 1209, GP R 1211, GP R 1212, GP R 1213, GP R 1214, GP R 1215, GP R 1218, and GP R 1219) in Tank Group 09, soil concentrations of regulated substances were greater than these applicable SHS MSCs and therefore the conclusion for these tanks was “No Obvious Contamination – Sample Results Do Not Meet Action Levels,” and notification was made to PADEP of potential releases to the environment per 25 Pa. Code § 245.304(c)(1) and 25 Pa. Code § 245.305.



As discussed in this Report, for the 10 ASTs where potential releases to the environment were initially identified, sufficient physical data has been collected via the Site Assessment activities to evaluate, in the context of other information and environmental analytical data available for the vicinity, the sources of contamination and determine whether the contamination identified is (1) Pre-Existing Contamination, (2) Post-September 2012 Contamination associated with a release from an AST, or (3) Post-September 2012 Contamination not associated with a release from an AST.

Based on the Site Assessment sampling collected by BDH, and data from additional investigations performed by Evergreen near Tank Group 09, the contamination identified in the area of Tank Group 09 represents Pre-Existing Contamination. As such, the contamination will be addressed under Act 2 by Evergreen under their primary facility ID 780190. **Appendix A** provides a letter from Evergreen documenting their agreement. As such, BDH will not be performing additional Site Characterization per 25 Pa. Code § 245.309 or issuing a Remedial Action Plan (RAP) per 25 Pa. Code § 245.311. **Appendix B** provides the Aboveground Storage Tank System Closure Report forms (2630-FM-BECB0514) for each of the ASTs.

Section 2 includes a description of the Site, operational/usage history of the ASTs, and information regarding site topography, geology, hydrogeology, and surface water. This section also includes a summary of known past releases to the environment in the area.

Section 3 discusses the tank infrastructure and removal activities.

Section 4 discusses the results of the Site Assessment. It documents how adequate characterization has been performed to investigate the potential releases and determine whether contamination identified is Pre-Existing Contamination or Post-September 2012 Contamination.

Section 5 provides why a specific Standard for attainment has not been identified.

Section 6 provides a summary of this Report and the conclusions of the Site Assessment for this Tank Group.

Section 7 presents a listing of the documents referenced in this Report.



2 Background

The Facility, a former 1,300-acre refinery, is currently under redevelopment. The Site is approximately 3.9 acres and located within Girard Point, an area that Evergreen has also referred to as AOI 5 in their One Cleanup Program documents. The Site is located south of the Platt Bridge and north of the Schuylkill River. Prior to demolition, Tank Group 09 consisted of two areas containing tanks – separated by a berm – located in the southeastern portion of Girard Point. Except for the tank foundations themselves, the area was not covered by hardscape.

The 13 ASTs addressed in this Report are listed in **Table 1**. One other AST, GP R 1210, was previously located within Tank Group 09 and previously closed. As a result, GP R 1210 is not subject to this closure effort. **Figure 3** provides a layout of Tank Group 09.

2.1 Operational History/Usage of the Tanks

The Facility operated as a petroleum refinery between 1860 and 2019 and ceased operations in 2019. The demolition and decommissioning of the subject ASTs began in February 2023. Prior to demolition, the primary products held within these tanks were: benzene (GP R 1205, GP R 1208, GP R 1209, and GP R 1214), cumene (GP R 1211, GP R 1213, GP R 1215, GP R 1216, GP R 1217, GP R 1218, GP R 1219, and GP R 1220), and cumene offtest (GP R 1212). Additional details regarding the size, contents, and construction of the tanks are provided in **Table 1**.

2.2 Topography

Topography at the Site is generally flat except for containment berms constructed around the tank areas to provide containment in the event of a release. Regional topography slopes gently to the south towards the Schuylkill River, the nearest water body to the Site. The ground surface elevation at the Site is approximately 6.6 ft above mean sea level.²

2.3 Regional Geology and Hydrogeology

The Facility is located within the Atlantic Coastal Plain Physiographic Province of Pennsylvania. The Atlantic Coastal Plain is a physiographic province that is defined as having a flat topography, underlain by unconsolidated sediments that thicken to the southeast. The Coastal Plain deposits are sand, gravel, silt, and clay which drape over crystalline igneous and metamorphic rocks. In general, the resulting sediments are approximately 250 ft thick along the Delaware River. These sediments unconformably overlie much older, very complexly deformed rocks of the Piedmont physiographic province. The Coastal Plain deposits in the vicinity of the Facility consist of anthropogenic fill underlain by quaternary deposits.

Much of the Facility and surrounding area is underlain by fill material, which was placed for the purpose of reclaiming lowlands along the banks of the tidal Delaware and Schuylkill Rivers during

² North American Vertical Datum of 1988.



industrialization. Below the fill material, sediments consist of gray, muddy deposits with occasional sand, gravel, and organic-rich lenses. These sediments were deposited in floodplain, channel, and marsh environments through the Holocene. The most recent deposits are poorly consolidated and below the water table, as a result of their relatively young geologic age and position along the Schuylkill River (tributaries and creeks). Below the Holocene deposits is Pleistocene glacial outwash, commonly referred to as the “Trenton Gravel” along the Delaware River valley. Cretaceous-age sand and clay units making up the Potomac-Raritan-Magothy aquifer system underly the Pleistocene deposits.

The sedimentary record near the Facility consists of a complex series of water-bearing sand units which can comprise one or more hydrostatic units. Previous investigations conducted at the Facility have identified two saturated zones, including an unconfined shallow groundwater unit (occurring within the Holocene and Trenton Gravel deposits) and a deep groundwater unit known as the Farrington Sand, which is part of the Potomac-Raritan-Magothy aquifer system. The deeper groundwater unit is separated by a clay unit; as such, the deeper groundwater has been classified as a semi-confined aquifer.

Appendix C provides select figures from the *Remedial Investigation Report, Area of Interest 5* (AOI 5 RIR; Langan 2017a) for reference. This includes Figures 4, 5A, and 5B, which provide a detailed cross section of the subsurface in the AOI from north to south and east to west.

2.4 Local Geology and Hydrogeology

During the Site Assessment, soil at the Site was investigated within the upper 5 ft. Anthropogenic fill was encountered in many of the soil borings. Soil beneath the fill layer generally consists of brown and black sand, silt, clay, and gravel. Boring logs for the soil borings installed by BDH during Site Assessment are provided in **Appendix D**.

Groundwater in the unconfined aquifer has generally been first encountered in Tank Group 09 at depths of approximately 7.0 to 8.4 ft below ground surface (bgs; Sanborn Head 2022). Perched groundwater has also been observed in the anthropogenic fill layers at the Facility, causing mounding and irregular depressions. Evergreen identified limited groundwater mounding behind portions of the sheet pile wall, which is located along the Schuylkill River in the southern portion of AOI 5, during previous groundwater investigations; however, mounding was not identified within the Tank Group 09 boundary (Langan 2017a). The AOI 5 RIR (Langan 2017a) indicates that the groundwater mound in this area is influenced by the presence of the sheet pile bulkhead.

Groundwater at the Facility has historically been interpreted to flow to the south toward the convergence of the Delaware and Schuylkill Rivers. Similarly, based on Figure 5 of the *AOI 5 Former Eastern Tank Farm Cumene Investigation* (Cumene Report; Sanborn Head 2022; included in **Appendix C**), groundwater flow in the unconfined aquifer in Tank Group 09 has been interpreted by Evergreen to be to the south. The unconfined groundwater flow appears to be influenced by in-filled historic tributaries of the Schuylkill River and the contrast in hydraulic conductivity between natural and fill materials (Langan 2017a). **Figure 4** provides an illustration of the interpreted groundwater flow regime in the unconfined aquifer in the vicinity of Tank Group 09.



2.5 Surface Water

As described in Section 2.4, the AOI 5 RIR (Langan 2017a), and the Cumene Report (Sanborn Head 2022), unconfined aquifer groundwater flow in Tank Group 09 is to the south. BDH conducted a review of the available United States Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper³ data in and adjacent to Tank Group 09. No wetlands were identified within the bounds of, or adjacent to, Tank Group 09. The Schuylkill River is located approximately 450 ft south of Tank Group 09.

2.6 Known Past Releases to the Environment

Contamination is known to be present in this area of the Facility and must be considered when interpreting the Site Assessment results for Tank Group 09. This section provides a discussion of past releases and potential other sources of contamination in the Tank Group 09 area.

The AOI 5 RIR (Langan 2017a), *Site Characterization Report/Remedial Action Completion Report for Aboveground Storage Tanks GP-1208, GP-1209, GP-1210, GP-1212, GP-1214, 207, 223, 225, 226, and Underground Storage Tank T-355* (AOI 5 Site Characterization Report [SCR]/Remedial Action Completion Report [RACR]; Langan 2017b), and the *AOI 5 Former Eastern Tank Farm Cumene Investigation* (Sanborn Head 2022; Appendix C of the *Sitewide Remedial Investigation Report Addendum* [Stantec 2022]), prepared on behalf of Evergreen, note prior investigations relating to releases of petroleum products in the vicinity of Tank Group 09. In some cases, these releases have resulted in contamination of groundwater that is present, or that has migrated to, within the bounds of Tank Group 09.

The AOI 5 RIR identified two potential prior releases from ASTs in the area of Tank Group 09 (Incident Nos. 38131 [GP R 1208] and 45696 [GP R 1214]). A SCR/RACR for AOI 5 was submitted by Evergreen and approved for these historical releases, closing the storage tank incidents, and allowing groundwater to be addressed under Act 2. PADEP approved the AOI 5 RIR (Langan 2017a) on May 2, 2017 and the AOI 5 SCR/RACR (Langan 2017b) on June 22, 2017. Soil and groundwater in the area will be addressed under Act 2 in future reports which will be prepared by Evergreen.

- The AOI 5 SCR/RACR (Langan 2017b) documents a past release from GP R 1208 (Incident No. 38131). The incident, which was reported to PADEP on June 28, 2007, involved the release of an unknown quantity of benzene. In response, soil sampling was completed in May 2007 around the perimeter of the tank and under associated aboveground piping. As discussed further in the *Aboveground Storage Tank GP-1208 (PA Registration #025A) Closure in Place Sampling Activities Report* (SECOR 2007), benzene was detected at concentrations in soil above the applicable MSCs.
- The AOI 5 SCR/RACR (Langan 2017b) also documents a past release from GP R 1214 (Incident No. 45696) that was reported to PADEP on February 12, 1995. The identified release is associated with a faulty seal on Pump P-2, which caused a release of approximately 42 gallons of benzene within the tank berm. The pump was immediately shut down and approximately 2 inches of surface soil, along with recoverable benzene, was removed for disposal. No further actions were completed at the time other than repairing the seal pump (Langan 2017b). However, soil sampling completed in the area

³ <https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/>



by Evergreen during 2014 site characterization activities identified benzene at concentrations in soil above the applicable MSCs.

The AOI 5 SCR/RACR (Langan 2017b) discusses soil sampling completed in January 2012 to support closure of tanks GP R 1209 and GP R 1212. GP R 1209 and GP R 1212 were closed in place in October 2011. Soil samples were collected around the perimeter and along associated tank piping at both tanks. Soil samples associated with GP R 1209 identified benzene, cumene, and lead concentrations in soil above the applicable MSCs and soil samples associated with GP R 1212 identified cumene and lead concentrations in soil above the applicable MSCs.

Additionally, the Cumene Report (Sanborn Head 2022) describes a prior release of 6,750 pounds (lb) of cumene from a pipeline that occurred on March 7, 1988. Interim actions included the removal of spilled cumene by vacuum truck. The exact location and extent of the release is unknown; however, given the amount of cumene tanks and high concentrations of cumene in soil in the area, it is likely that the release occurred in the central portion of Tank Group 09, in the vicinity of ASTs GP R 1211, GP R 1212, GP R 1213, and GP R 1218.

Appendix E provides tables of soil analytical results from investigations conducted prior to Site Assessment sampling by BDH.

In addition to these known and suspected discrete releases, the Facility was used for petroleum storage and refining for over a century, and both localized and diffuse contamination is present throughout the Facility associated with this past industrial use and with land filling activities (i.e., historic fill⁴). It is important to consider the presence of this contamination in interpreting the Site Assessment results for Tank Group 09.

⁴ "Historic fill", which is defined by PADEP in their (2021c) *Management of Fill Policy*, is material, excluding material disposed in landfills, waste piles and impoundments, used to bring an area to grade prior to 1988, and consisting of a conglomeration of soil and residuals, such as ashes from the residential burning of wood and coal, incinerator ash, coal ash, slag, dredged material and construction and demolition waste.



3 Tank Infrastructure and Removal

In accordance with the Work Plan, NorthStar Contracting Group, Inc. and its subcontractors AST Construction, Inc., a PADEP-certified Aboveground Field Constructed Storage Tank System Removal contractor, was retained by BDH to perform tank demolition and handling, including (1) hazard recognition and abatement; (2) removal and handling of vapors, product, wastewaters, and accumulated sludges; (3) overseeing or verifying cleaning of the storage tank system; (4) dismantling the ASTs; and (5) removal of ancillary equipment and piping.

The demolition of the 13 Tank Group 09 ASTs was completed in February 2023:

- GP R 1205 (PADEP No. 001A)
- GP R 1211 (PADEP No. 003A)
- GP R 1213 (PADEP No. 004A)
- GP R 1214 (PADEP No. 005A)
- GP R 1218 (PADEP No. 006A)
- GP R 1219 (PADEP No. 007A)
- GP R 1220 (PADEP No. 008A)
- GP R 1215 (PADEP No. 009A)
- GP R 1216 (PADEP No. 010A)
- GP R 1217 (PADEP No. 011A)
- GP R 1208 (PADEP No. 012A)
- GP R 1209 (PADEP No. 013A)
- GP R 1212 (PADEP No. 014A)

No evidence of releases to the environment were observed during the demolition of the 13 Tank Group 09 ASTs.

On behalf of BDH, AST Construction, Inc. submitted to PADEP the required tank registration amendments, copies of which are provided as **Appendix F**.

The Aboveground Storage Tank System Closure Report forms (2630-FM-BECB0514) are included as **Appendix B**.

Field personnel involved with AST closure activities described in this Report have completed work in accordance with site-specific plans which were implemented in accordance with Occupational Safety and Health Administration requirements in 29 Code of Federal Regulations 1910.120. Each consultant, contractor, subcontractor, and third-party company performing fieldwork associated with the AST closure activities was required to prepare its own site-specific health and safety plan.



4 Site Assessment

Ransom Consulting, LLC and their subcontractor, MB Drilling, LLC, performed the Site Assessment soil sampling, which involved the installation of 109 soil borings and collection of 115 soil samples (which includes two samples from boring GPR1208-02 and 5 duplicate samples). Prior to the initiation of the sampling activities, the Pennsylvania One Call System (811 Dig Safe) was contacted to identify underground utilities at the Site. In addition, a review of available information provided by facility representatives regarding the presence/absence of underground utilities was used in the selection of sampling locations. Finally, a private utility locator was retained to use geophysical and electromagnetic techniques to identify potential utilities or subsurface structures at proposed drilling locations.

As discussed in the Work Plan, when no evidence of a release to the environment was identified during tank removal, ASTs were subject to Site Assessment sampling using a grid-based approach with additional samples biased toward the locations of pipe connections or other key infrastructure, which is in accordance with 25 Pa. Code § 245.304(b)(6). The Site Assessment sampling was conducted between June 3, 2024 through June 11, 2024.

In accordance with the approved Work Plan, soil borings were completed using direct-push (i.e., Geoprobe) drilling or hand auger methods and advanced through the top 5 ft of soil. Continuous soil cores were collected, and field screened using a photoionization detector (PID) to identify potentially impacted zones. Soil sampling intervals were selected based on the results of field screening (i.e., staining, odors, and elevated PID readings). Where potentially impacted materials were not encountered, discrete samples were collected at a depth of 3.0-3.5 ft bgs at locations within the footprint or perimeter of the tank, or at a depth of 2.0-2.5 ft bgs at locations associated with AST piping. These sampling intervals are consistent with the Confirmatory Sampling Protocol detailed in PADEP's (2021b) *Closure Requirements for Aboveground Storage Tank Systems* which requires sampling "at least one foot below underground product piping, two feet below product dispensers, remote fills or containment structures and aboveground product lines for AST, and three feet below the tank." Where fill was observed, samples of the fill were collected if it consisted of soil or soil-like material. Groundwater was not encountered during the installation of these soil borings.

Figure 5 shows the location of the Site Assessment soil borings which were installed as part of this effort. **Appendix D** provides copies of the boring logs.

The analysis selected for each soil sample was based on the AST contents as prescribed by PADEP's Short List of Petroleum Products inventory (Table III-5 of the *Land Recycling Program Technical Guidance Manual* [PADEP 2021a]). As shown in **Table 1**, for the 13 ASTs subject to this closure effort, analytes included benzene or cumene, based on historical tank contents.

Volatile organic compounds (VOC) were analyzed via USEPA Method 8260D. Laboratory analytical services were provided by Pace Analytical of Westborough, Massachusetts, which is a PADEP-certified laboratory. Soil samples submitted for analyses were placed directly into laboratory provided glassware and stored on ice in a cooler under appropriate chain of custody protocol.

Copies of the laboratory reports are included as **Appendix G**.



4.1 Analytical Results

Soil analytical results were compared to the following Non-Res SHS MSC numeric values to help evaluate, in the context of other information and environmental analytical data available for the vicinity, the sources of contamination and assess whether the contamination detected is (1) Pre-Existing Contamination, (2) Post-September 2012 Contamination associated with a release from an AST, or (3) Post-September 2012 Contamination not associated with a release from an AST:

- Non-Res MSCs for DC Exposure to Surface Soil (0-2 ft)⁵
- Non-Res MSCs for DC Exposure to Subsurface Soil (2-15 ft)
- Non-Res MSCs for SGW for Used Aquifers (TDS ≤ 2,500)

Where the soil data suggest potential releases of regulated substances from the ASTs, soil and groundwater⁶ concentrations were compared to the following Non-Res SHS MSC numeric values:

Soil

- Non-Res MSCs for DC Exposure to Surface Soil (0-2 ft)
- Non-Res MSCs for DC Exposure to Subsurface Soil (2-15 ft)
- Non-Res MSCs for SGW for Used Aquifers (TDS ≤ 2,500)

Groundwater

- Non-Res MSCs for Groundwater Exposure for Used Aquifers (TDS ≤ 2,500)

Soil and groundwater sampling results were not compared to PADEP's Vapor Intrusion Screening Levels as part of this evaluation since there is currently no vapor intrusion exposure in the area (i.e., vapor intrusion pathway is incomplete). Future buildings at the Facility will be subject to vapor intrusion investigation and evaluation to determine if conditions could pose a potential unacceptable risk to future occupants. The comparison to non-residential numeric values is appropriate since the future land use in the area of Tank Group 09 is commercial/industrial.

As shown in **Table 3**, the following constituents were detected in soil samples from Tank Group 09 at concentrations greater than applicable MSCs:

- Non-Res MSCs for DC Exposure to Surface Soil: none
- Non-Res MSCs for DC Exposure to Subsurface Soil: benzene and cumene

⁵ As described in Section 4, soil sampling intervals were based on the results of field screening (i.e., staining, odors, and elevated PID readings). Where potentially impacted materials were not encountered, discrete samples were collected from native soil at a depth of 3.0-3.5 ft bgs or 2.0-2.5 ft bgs, in accordance with PADEP's (2021b) *Closure Requirements for Aboveground Storage Tank Systems*. Since only subsurface (>2 ft bgs) soil samples were collected from some locations during the Site Assessment, the comparison of the resulting concentrations to MSCs conservatively disregard the surface/subsurface soil designation reflected in the Non-Res Soil DC MSCs (i.e., results were compared to the Non-Res DC MSCs for surface soil).

⁶ Since BDH did not install monitoring wells at Tank Group 09 tanks, groundwater results collected by Evergreen were considered for the contamination allocation evaluation (see Section 4.1.2).



- Non-Res MSCs for SGW for Used Aquifers (TDS \leq 2,500) MSC: benzene and cumene

Figures 6a and **6b** present the analytical results in surface and subsurface soil, respectively, at concentrations greater than applicable Non-Res SHS MSCs. Tables with Site Assessment soil results are provided in **Appendix H**.

Based on the Site Assessment sampling results, on June 20, 2024, Terraphase provided notification of a potential release to PADEP (GP R 1205, GP R 1208, GP R 1209, GP R 1211, GP R 1212, GP R 1213, GP R 1214, GP R 1215, GP R 1218, and GP R 1219) pursuant with 25 Pa. Code § 245.304(c)(1) and 25 Pa. Code § 245.305. PADEP assigned the releases in Tank Group 09 to Incident No. 60221. Copies of notification documents are included in **Appendix I**.

Figures 7a and **7b** present the analytical results in groundwater in the area of Tank Group 09⁷ and more broadly across the Facility, respectively, at concentrations greater than the applicable Non-Res SHS MSCs.

Based on prior environmental assessments performed by Evergreen, light non-aqueous phase liquid (LNAPL) has not been identified within, or in the immediate vicinity of, Tank Group 09. LNAPL has been identified approximately 350 ft west of Tank Group 09 and is potentially associated with releases from historic lube oil and black oil pump houses located in that area. The LNAPL presence west of Tank Group 09 is illustrated on **Figure 8**.⁸

4.1.1 Contamination Allocation

Several lines of evidence have been used to determine if the contamination identified within the aerial extents of Tank Group 09 is indicative of (1) Pre-Existing Contamination, (2) Post-September 2012 contamination that is likely from AST releases, or (3) Post-September 2012 Contamination related to release(s) from sources other than ASTs. This evaluation included consideration for (1) whether the constituents exceeding MSCs are consistent with the product(s) stored in the tank, (2) whether the spatial distribution suggests the source of the contamination is near an AST, (3) whether the magnitude of the exceedances is consistent with levels observed from other sources in Evergreen's AOI 5, (4) whether the spatial distribution is consistent with other sources in the area or if there are outliers, (5) whether the data are consistent with previously characterized contamination known to have existed in the area due to releases prior to September 8, 2012, and (6) where there are indicator chemicals present in soil, groundwater, or LNAPL (e.g., gasoline additives) which were not used after September 8, 2012.

In order to explore these lines of evidence, the soil and groundwater sampling and analytical data available for the Tank Group 09 area was considered. This includes data generated by Evergreen during their RIR and by BDH during sampling performed for AST Closure purposes as well as for the

⁷ The maximum concentration from the two most recent groundwater sampling events at each location with sample dates ranging from September 8, 2012 to April 23, 2024 were considered.

⁸ The current estimated extent of LNAPL is based upon the most recent gauging event at each location, which ranged from November 7, 2006 to April 10, 2024.



investigation of release(s) in the area unrelated to ASTs. Overall, the following sets of supplemental figures were developed:

- **Figures 9a** through **9c** present the soil analytical results available in proximity to each AST with exceedances of the applicable MSCs and how the concentrations compare to applicable SHS MSCs. Databoxes are provided for each soil boring and allow for a detailed review of the soil characterization results in, and around, each AST.
- **Figures 10a** and **10b** present a generalized illustration of the spatial distribution of the two constituents that exceed MSCs in soil samples collected from the Tank Group 09 area by BDH and Evergreen (i.e., benzene and cumene).

4.1.1.1 GP R 1205 Area

This AST contained benzene. Analytical results for soil samples collected near this AST are depicted on **Figure 9c**. As shown on **Figures 10a** and **10b**, there were limited soil analytical results in the GP R 1205 area which were collected by Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1205, one constituent (i.e., benzene) was detected at concentrations in soil above the applicable MSCs at three borings (i.e., GPR1205-01, GPR1205-03, and GPR1205-05) advanced by BDH. As discussed in Section 2.6, soil sampling was completed in January 2012 to support tank closure of nearby tank GP R 1209 at that time. GP R 1209 is located immediately west of GP R 1205. Samples were collected around the perimeter of GP R 1209 and under piping that is associated with both tanks (i.e., GP R 1205 and GP R 1209). Benzene was identified at concentrations above the applicable MSCs. As shown on **Figure 9c**, GPR1205-01 and GPR1205-05 are located outside the tank perimeter and GPR1205-03 is located within the tank boundary. The highest concentration of benzene in soil was detected at boring GPR1205-05, which is located southwest of the tank footprint near samples that were previously collected by Evergreen as part of the January 2012 assessment around GP R 1209. As shown on **Figure 10a**, the area where concentrations were detected above the applicable MSCs during Site Assessment sampling is consistent with the area where Evergreen detected elevated concentrations previously. Based on the range and spatial distribution of concentrations and the known Pre-Existing Contamination in the area, the soil contamination near GP R 1205 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. Specifically, two constituents (i.e., benzene and cumene) were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-191,⁹ which is located immediately upgradient of GP R 1205. Since there is no specific evidence of a Post-September 2012 release, the presence of these constituents in groundwater are concluded to be Pre-Existing Contamination. LNAPL has never been identified in A-191.

The soil and groundwater contamination identified in proximity to this AST is Pre-Existing Contamination.

⁹ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.



4.1.1.2 GP R 1208 Area

This AST contained benzene. Analytical results for soil samples collected near this AST are depicted on **Figure 9c**. As shown on **Figures 10a** and **10b**, there were some soil analytical results in the GP R 1208 area which were collected by Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1208, one constituent (i.e., benzene) was detected at concentrations in soil above the applicable MSCs at one boring (i.e., GPR1208-05) advanced by BDH. As discussed in Section 2.6, a prior release (Incident No. 38131), which occurred on June 28, 2007 and involved the release of an unknown quantity of benzene, was documented in the AOI 5 SCR/RACR (Langan 2017b). In response, soil sampling was completed in May 2007 around the perimeter of the tank and under associated piping. Benzene was identified at concentrations above the applicable MSCs. As shown on **Figure 10a**, the location of the benzene concentrations detected above the applicable MSCs during Site Assessment sampling (i.e., GPR1208-05) is consistent with the area where Evergreen previously detected elevated concentrations. Based on the range and spatial distribution of concentrations, the identified previous release, and the known Pre-Existing Contamination in the area, the soil contamination near GP R 1208 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. No constituents¹⁰ were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-192,¹¹ which is located immediately upgradient of GP R 1208. Additionally, cumene was analyzed four times between 2021 and 2024 and detected in each sample at consistently decreasing concentrations (i.e., 18 mg/L in 2021 and 1.7 mg/L in 2024). LNAPL has never been identified in A-192.

The soil contamination identified in proximity to this AST is Pre-Existing Contamination.

4.1.1.3 GP R 1209 Area

This AST contained benzene. Analytical results for soil samples collected near this AST are depicted on **Figure 9c**. As shown on **Figures 10a** and **10b**, there were some soil analytical results in the GP R 1209 area which were collected Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1209, one constituent (i.e., benzene) was detected at concentrations in soil above the applicable MSCs at three borings (i.e., GPR1209-07, GPR1209-09, and GPR1209-10) advanced by BDH. As discussed in Section 2.6, soil sampling was completed in January 2012 to support tank closure at that time. Samples were collected around the perimeter of the tank and under associated piping. Benzene was identified at concentrations above the applicable MSCs. As shown on **Figure 10a**, the area where concentrations were detected above the applicable MSCs during Site Assessment sampling is consistent

¹⁰ Additional constituents were identified at concentrations greater than the applicable MSCs at A-192; however, only benzene and cumene were considered for this evaluation.

¹¹ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.



with the area where Evergreen previously detected elevated concentrations. Based on the range and spatial distribution of concentrations and the known Pre-Existing Contamination in the area, the soil contamination near GP R 1209 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen data provides information about the nature and extent of contamination in groundwater in this area. No constituents were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-192,¹² which is in the vicinity of GP R 1209. LNAPL has never been identified in A-192.

The soil contamination identified in proximity to this AST is Pre-Existing Contamination.

4.1.1.4 GP R 1211 Area

This AST contained cumene. Analytical results for soil samples collected near this AST are depicted on **Figure 9b**. As shown on **Figures 10a** and **10b**, there were limited soil analytical results in the GP R 1211 area which were collected by Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1211, one constituent (i.e., cumene) was detected at concentrations in soil above the applicable MSCs at five borings (i.e., GPR1211-01, GPR1211-04, GPR1211-05, GPR1211-06, and GPR1211-09) advanced by BDH. As discussed in Section 2.6, a prior release, which occurred on March 7, 1988, was documented in the Cumene Report (Sanborn Head 2022), which included the release of 6,750 lbs of cumene from a pipeline in the vicinity of GP R 1211. Interim actions included the removal of spilled cumene by vacuum truck. As shown on **Figures 10b**, the area where concentrations were detected above the applicable MSCs during Site Assessment sampling is consistent with the area where Evergreen previously detected elevated concentrations. Based on the range and spatial distribution of concentrations, the identified previous release, and the known Pre-Existing Contamination in the area, the soil contamination near GP R 1211 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. Specifically, two constituents (i.e., benzene and cumene) were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-191,¹³ which is in the vicinity of GP R 1211. Since there is no specific evidence of a Post-September 2012 release near this tank and because benzene and cumene are known to be present in groundwater in this area through Evergreen's Act 2 work, the presence of these constituents in groundwater are concluded to be Pre-Existing Contamination. LNAPL has never been identified in A-191.

The soil and groundwater contamination identified in proximity to this AST is Pre-Existing Contamination.

¹² Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.

¹³ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.



4.1.1.5 GP R 1212 Area

This AST contained cumene offtest. Analytical results for soil samples collected near this AST are depicted on **Figure 9b**. As shown on **Figures 10a** and **10b**, there were extensive soil analytical results in the GP R 1212 area which were collected by Evergreen. The Site Assessment provides additional understanding of the distribution of constituent concentrations in soil.

At GP R 1212, one constituent (i.e., cumene) was detected at concentrations in soil above the applicable MSCs at two borings (i.e., GPR1212-03 and GPR1212-04) advanced by BDH. As discussed in Section 2.6, a prior release, which occurred on March 7, 1988, was documented in the Cumene Report (Sanborn Head 2022), which included the release of 6,750 lbs of cumene from a pipeline in the vicinity of GP R 1212. Interim actions included the removal of spilled cumene by vacuum truck. Additionally, as discussed in Section 2.6, soil sampling was completed in January 2012 to support tank closure at that time. Samples were collected around the perimeter of the tank and under associated piping. Cumene was identified at concentrations above the applicable MSCs. As shown on **Figure 9c**, the highest concentrations of cumene in soil were detected at borings GPR1212-03 and GPR1212-04, which are located under associated tank piping. As shown on **Figure 10b**, the area where concentrations were detected above the applicable MSCs during Site Assessment sampling is consistent with the area where Evergreen previously detected elevated concentrations. Based on the range and spatial distribution of concentrations, the identified previous release, and the known Pre-Existing Contamination in the area, the soil contamination near GP R 1212 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. Specifically, one constituent (i.e., cumene) was detected at concentrations above the applicable MSCs in groundwater at monitoring well A-190,¹⁴ which is in the vicinity of GP R 1212. Since there is no specific evidence of a Post-September 2012 release near this tank and because cumene is known to be present in groundwater in this area through Evergreen's Act 2 work, the presence of this constituent in groundwater is concluded to be Pre-Existing Contamination. LNAPL has never been identified in A-190.

The soil and groundwater contamination identified in proximity to this AST is Pre-Existing Contamination.

4.1.1.6 GP R 1213 Area

This AST contained cumene. Analytical results for soil samples collected near this AST are depicted on **Figure 9b**. As shown on **Figures 10a** and **10b**, there were some soil analytical results in the GP R 1213 area which were collected by Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1213, one constituent (i.e., cumene) was detected at concentrations in soil above the applicable MSCs at three borings (i.e., GPR1213-02, GPR1213-04, and GPR1213-07) advanced by BDH. As discussed in Section 2.6, a prior release, which occurred on March 7, 1988, was documented in the Cumene

¹⁴ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.

Report (Sanborn Head 2022), which included the release of 6,750 lbs of cumene from a pipeline in the vicinity of GP R 1213. Interim actions included the removal of spilled cumene by vacuum truck. As shown on **Figure 9b**, the highest concentrations of cumene in soil were detected at borings GPR1213-02, GPR1213-04, and GPR1213-07, which are either located along the tank perimeter or under associated tank piping. As shown on **Figure 10b**, the area where concentrations were detected above the applicable MSCs during Site Assessment sampling is consistent with the area where Evergreen previously detected elevated concentrations. Based on the range and spatial distribution of concentrations, the identified previous release, and the known Pre-Existing Contamination in the area, the soil contamination near GP R 1213 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. Specifically, two constituents (i.e., benzene and cumene) were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-191,¹⁵ which is in the vicinity of GP R 1213. Since there is no specific evidence of a Post-September 2012 release near this tank and because benzene and cumene are known to be present in groundwater in this area through Evergreen's Act 2 work, the presence of these constituents in groundwater are concluded to be Pre-Existing Contamination. LNAPL has never been identified in A-191.

The soil and groundwater contamination identified in proximity to this AST is Pre-Existing Contamination.

4.1.1.7 GP R 1214 Area

This AST contained benzene. Analytical results for soil samples collected near this AST are depicted on **Figure 9c**. As shown on **Figures 10a** and **10b**, there were limited soil analytical results in the GP R 1214 area which were collected by Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1214, one constituent (i.e., benzene) was detected at concentrations in soil above the applicable MSCs at two borings (i.e., GPR1214-08 and GPR1214-09) advanced by BDH. As discussed in Section 2.6, a prior release associated with GP R 1214 (Incident No. 45696), which occurred on February 12, 1995, was documented in the AOI 5 SCR/RACR (Langan 2017b). The identified release is associated with a faulty seal on Pump P-2, which caused a release of approximately 42 gallons of benzene within the tank berm. The pump was immediately shut down and approximately 2 inches of surface soil along with recoverable benzene was removed for disposal. No further actions were completed at that time other than repairing the seal pump (Langan 2017b). Soil sampling in the vicinity was later completed by Evergreen during 2014 site characterization activities to further delineate the 1995 open release. Benzene was identified at concentrations above the applicable MSCs. As shown on **Figure 9c**, the highest concentration in soil was detected at borings GPR1214-08 and GPR1214-09, which are located under associated tank piping. Based on the range and spatial distribution of concentrations, the identified previous release, and the

¹⁵ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.



known Pre-Existing Contamination in the area, the soil contamination near GP R 1214 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. No constituents were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-141,¹⁶ which is in the vicinity of GP R 1214. LNAPL has never been identified in A-141.

The soil contamination identified in proximity to this AST is Pre-Existing Contamination.

4.1.1.8 GP R 1215 Area

This AST contained cumene. Analytical results for soil samples collected near this AST are depicted on **Figure 9a**. As shown on **Figures 10a** and **10b**, there were limited soil analytical results in the GP R 1215 area which were collected by Evergreen. Available sampling data collected by Evergreen around GP R 1215 is limited to the southern end of the tank. As documented by Sanborn Head (2022) in the *Cumene Report*, these sampling data are related to a 2014 excavation which was performed to address lead contamination (referred to as “3A”). Though the purpose of the excavation was focused on addressing elevated lead concentrations, the post-excavation samples were analyzed more broadly for PADEP’s Short List 1-5. The post-excavation samples exhibited concentrations of cumene below the applicable MSCs. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1215, one constituent (i.e., cumene) was detected at concentrations in soil above the applicable MSCs at one boring (i.e., GPR1215-08) advanced by BDH. As shown on **Figure 10b**, cumene concentrations near GP R 1215 are generally consistent with the range of cumene concentrations characterized across Tank Group 09 by Evergreen. Additionally, cumene was detected infrequently above the applicable MSCs (1 out of 9 Site Assessment samples). Given the limited extent of contamination and lack of soil analytical data collected by Evergreen in the vicinity of the tank, there is no evidence of a Post-2012 release(s) associated with GP R 1215. Therefore, the presence of cumene in soil is assumed to be Pre-Existing Contamination.

The highest concentration in soil was detected at boring GPR1215-08, which is located under associated tank piping. The spatial distribution of these concentrations indicates potential tank-related contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. No constituents were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-139,¹⁷ which is located immediately upgradient of GP R 1215. LNAPL has never been identified in A-139.

The soil contamination identified in proximity to this AST is Pre-Existing Contamination.

¹⁶ Based on concentrations from the only groundwater sampling event completed on May 7, 2007.

¹⁷ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.



4.1.1.9 GP R 1218 Area

This AST contained cumene. Analytical results for soil samples collected near this AST are depicted on **Figure 9b**. As shown on **Figures 10a** and **10b**, there were limited soil analytical results in the GP R 1218 area which were collected by Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1218, one constituent (i.e., cumene) was detected at concentrations in soil above the applicable MSCs at three borings (i.e., GPR1218-02, GPR1218-04, and GPR1218-06) advanced by BDH. As discussed in Section 2.6, a prior release, which occurred on March 7, 1988, was documented in the Cumene Report (Sanborn Head 2022), which included the release of 6,750 lbs of cumene from a pipeline in the vicinity of GP R 1218. Interim actions included the removal of spilled cumene by vacuum truck. Additionally, as discussed in Section 2.6, soil sampling was completed in January 2012 to support tank closure of nearby tank GP R 1212 at that time. GP R 1212 is located immediately west of GP R 1218. Samples were collected around the perimeter of the GP R 1212 and under piping that is associated with both tanks GP R 1212 and GP R 1218. Cumene was identified at concentrations above the applicable MSCs. As shown on **Figure 9b**, the highest concentrations in soil were detected at borings GPR1218-02, GPR1218-04, and GPR1218-06, which are either located along the tank perimeter or under associated tank piping. As shown on **Figure 10b**, the area where concentrations were detected above the applicable MSCs during Site Assessment sampling is consistent with the area where Evergreen previously detected elevated concentrations. Based on the range and spatial distribution of concentrations, the identified previous release, and the known Pre-Existing Contamination in the area, the soil contamination near GP R 1218 is concluded to be tank-related and Pre-Existing Contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. Specifically, one constituent (i.e., cumene) was detected at concentrations above the applicable MSCs in groundwater at monitoring well A-190.¹⁸ This well is located to the west of GP R 1218 and is co-located with soil samples that identified concentrations greater than the applicable MSCs which were collected in the immediate vicinity of a pipe run. As a result, they suggest a pipeline release in this area. No constituents were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-140, which is located to the east of GP R 1218. Since there is no specific evidence of a Post-September 2012 release near this tank and because cumene is known to be present in groundwater in this area through Evergreen's Act 2 work, the presence of this constituent in groundwater is concluded to be Pre-Existing Contamination. LNAPL has never been identified in A-190 or A-140.

The soil and groundwater contamination identified in proximity to this AST is Pre-Existing Contamination.

¹⁸ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.



4.1.1.10 GP R 1219 Area

This AST contained cumene. Analytical results for soil samples collected near this AST are depicted on **Figure 9a**. As shown on **Figures 10a** and **10b**, there were limited soil analytical results in the GP R 1219 area which were collected by Evergreen. The Site Assessment provides a more detailed understanding of the distribution of constituent concentrations in soil.

At GP R 1219, one constituent (i.e., cumene) was detected at concentrations in soil above the applicable MSCs at two borings (i.e., GPR1219-02 and GPR1219-03) advanced by BDH. As shown on **Figure 10b**, cumene concentrations near GP R 1219 are generally consistent with the range of cumene concentrations characterized across Tank Group 09 by Evergreen. Given the limited extent of contamination and lack of soil analytical data collected by Evergreen in the vicinity of the tank, there is no evidence of a Post-2012 release(s) associated with GP R 1219. Therefore, the presence of cumene in soil is assumed to be Pre-Existing Contamination.

The highest concentration in soil was detected at borings GPR1219-02 and GPR1219-03, which are located under associated tank piping and along the tank perimeter, respectively. The spatial distribution of these concentrations indicates potential tank-related contamination.

BDH did not install monitoring wells at this AST. The sampling performed by Evergreen provides information about the nature and extent of contamination in groundwater in this area. No constituents were detected at concentrations above the applicable MSCs in groundwater at monitoring well A-139,¹⁹ which is in the vicinity of GP R 1219. LNAPL has never been identified in A-139.

The soil contamination identified in proximity to this AST is Pre-Existing Contamination.

4.1.2 Allocation Summary

The data collected as part of the Site Assessment activities have been evaluated in the context of other information and environmental sampling data for the Facility to determine whether contamination detected during Site Assessment sampling is (1) Pre-Existing Contamination, (2) Post-September 2012 Contamination associated with a release from an AST, or (3) Post-September 2012 Contamination not associated with a release from an AST. As discussed in Section 4.1.1, Site Assessment sampling has identified Pre-Existing Contamination. Site Assessment sampling has not identified Post-September 2012 Contamination associated with releases from ASTs or otherwise. Accordingly, the contamination identified by the Site Assessment sampling will be addressed under Act 2 by Evergreen (Pre-Existing). Because none of the contamination in the area was determined to be Post-September 2012, BDH will not be performing additional Site Characterization per 25 Pa. Code § 245.309 or issuing a RAP per 25 Pa. Code § 245.311.

¹⁹ Based on concentrations from the two most recent groundwater sampling events post-September 8, 2012.



4.2 Data Quality Assurance, Quality Control, and Usability

BDH collected quality assurance/quality control samples, performed general quality control checks on the field and laboratory information, and evaluated the impact of elevated reporting limits (RL) due to sample-specific interferences to help assess data quality and usability of the results to support the project objectives as discussed in detail below.

4.2.1 Quality Assurance/Quality Control Samples

During the Site Assessment field activities, one trip blank sample per sample cooler and approximately one field blank per 10 samples was submitted to the analytical laboratory to evaluate potential cross-contamination during sample container shipment and storage. Results of the quality assurance and quality control sample analyses are provided in **Appendix H**. Cumene was detected in one field blank sample, collected on June 11, 2024, at a concentration slightly above the laboratory RL. Cumene was detected at a concentration of 0.53 ug/L, greater than the RL of 0.5 ug/L. Four other samples (i.e., GPR1216-01-SS01, DUP-60, GPR1219-02-SS01, and GPR1211-06-SS01) were collected in Tank Group 09 on June 11, 2024 and analyzed for cumene. The cumene concentrations in these samples ranged from 0.00051 to 5,600 milligrams per kilogram (mg/kg). Two of these samples (i.e., GPR1219-02-SS01 and GPR1211-06-SS01) exhibited cumene concentrations greater than the SGW MSCs. These concentrations are within the range of cumene concentrations identified in the Tank Group 09 area. Because (1) the cumene concentration reported for the field blank was only slightly above the laboratory RL and (2) the range of cumene concentrations detected in the site samples are consistent with prior data from this area of the Site, the cumene data for the site samples associated with this field blank are considered usable and were included in the evaluation.

Approximately one field duplicate sample per every 20 soil samples was also collected to evaluate the variance in the sampling/analysis. Relative percent differences (RPD) for duplicate pairs were calculated and ranged from 0 to 199 percent with an average of 130 percent. Overall, RPDs <50 percent generally represent the typical level of variability. Reasons for higher RPDs can include sample heterogeneity or samples with high concentrations. Given that the predominant soil type sampled is anthropogenic fill, some additional variability is expected and reasonable.

4.2.2 General Quality Control Checks

General quality control checks were also performed on the field information and laboratory analytical deliverables. This included checking and reviewing laboratory logins and completed chains of custody, confirming that the requested analyte lists were reported, and that the sample nomenclature conformed to the proposed sampling scope of work. In some cases, multiple analyses were reported by the laboratory and a general review of elements such as surrogate recoveries, qualifiers, analytical limits, and laboratory narratives were performed to identify which results would be used for a given sample. A log of these general checks is provided in **Appendix H** along with the methodology used to select between multiple results when provided by the analytical laboratory.



4.2.3 Reporting Limits

For non-detect constituents of concern (COC), RLs were evaluated against the applicable MSCs. None of the COCs exhibited RLs above the MSCs.



5 Selection of Standard

As described in Section 4.1.1, the data collected as part of the Site Assessment activities have been evaluated in the context of other information and environmental sampling data for the Facility. These sampling efforts have identified Pre-Existing Contamination. These sampling efforts have not identified Post-September 2012 Contamination. Accordingly, the contamination identified by the Site Assessment sampling will be addressed under Act 2 by Evergreen (Pre-Existing).

Because Post-September 2012 Contamination has not been identified and because the contamination identified will be managed under Act 2, a specific Standard for attainment has not been identified and BDH will not be performing additional Site Characterization per 25 Pa. Code § 245.309 or issuing a RAP per 25 Pa. Code § 245.311.



6 Summary and Conclusions

Terraphase has prepared this Report, on behalf of BDH, to detail the results of the Site Assessment activities and evaluate the analytical results in the context of other information and environmental sampling data for the Facility.

The Site Assessment activities described in this Report were performed in accordance with the applicable provisions of Act 32, 25 Pa. Code § 245 (Subchapter D), and Terraphase’s Work Plan (2021). The 13 ASTs addressed in this Report are:

- GP R 1205 (PADEP No. 001A)
- GP R 1211 (PADEP No. 003A)
- GP R 1213 (PADEP No. 004A)
- GP R 1214 (PADEP No. 005A)
- GP R 1218 (PADEP No. 006A)
- GP R 1219 (PADEP No. 007A)
- GP R 1220 (PADEP No. 008A)
- GP R 1215 (PADEP No. 009A)
- GP R 1216 (PADEP No. 010A)
- GP R 1217 (PADEP No. 011A)
- GP R 1208 (PADEP No. 012A)
- GP R 1209 (PADEP No. 013A)
- GP R 1212 (PADEP No. 014A)

Based on the results of soil samples collected during the Site Assessment of Category 2 ASTs and a comparison to the applicable MSCs, no evidence of a release from GP R 1216, GP R 1217, and GP R 1220 was identified. The Site Assessment outcome for these ASTs is “No Obvious Contamination – Sample Results Meet Action Levels.” These tanks remain classified as Category 2.

Based on the results of soil samples collected during the Site Assessment of Category 2 ASTs and a comparison to the applicable MSCs, potential releases of regulated substances to the environment from tanks GP R 1205, GP R 1208, GP R 1209, GP R 1211, GP R 1212, GP R 1213, GP R 1214, GP R 1215, GP R 1218, and GP R 1219 were identified. The Site Assessment outcome category for these ASTs is “No Obvious Contamination – Sample Results Do Not Meet Action Levels.” A notification of release was submitted to the PADEP under Incident No. 60221 on June 20, 2024 per 25 Pa. Code § 245.304(c)(1) and 25 Pa. Code § 245.305. The notification indicated that unknown amounts of petroleum-related substances were potentially released in Tank Group 09 from these specific ASTs.

The results of the Site Assessment investigation identified soil COCs at concentrations greater than applicable MSCs. As discussed in Section 4.1.1, several lines of evidence have been used to determine contamination that is likely from releases of ASTs or related to contamination from other sources within AOI 5. Additionally, several lines of evidence have also been used to further allocate contamination in these two groups on the basis of whether it represents, or does not represent, Pre-Existing Contamination. Site Assessment sampling has not identified Post-September 2012 Contamination.

Since Site Assessment sampling did not identify Post-2012 Contamination, contamination identified during Site Assessment sampling will be managed by Evergreen under their primary facility ID 780190



under Act 2. As a result, BDH did not complete additional Site Characterization sampling in Tank Group 09 per 25 Pa. Code § 245.309.

Because Post-September 2012 Contamination has not been identified, and because the contamination identified in Tank Group 09 will be managed under Act 2, a specific Standard for attainment has not been identified and BDH will not be issuing a RAP per 25 Pa. Code § 245.311.



7 References

- Langan. 2017a. *Remedial Investigation Report, Area of Interest 5*. January 16.
- . 2017b. *Site Characterization Report/Remedial Action Completion Report for Aboveground Storage Tanks GP-1208, GP-1209, GP-1210, GP-1212, GP-1214, 207, 223, 225, 226, and Underground Storage Tank T-355*. February 17.
- Pennsylvania Department of Environmental Protection (PADEP). 2021a. *Land Recycling Program Technical Guidance Manual*. March 27.
- . 2021b. *Closure Requirements for Aboveground Storage Tank Systems*. April 10.
- . 2021c. *Management of Fill Policy*. January 16.
- Sanborn Head. 2022. *AOI 5 Former Eastern Tank Farm Cumene Investigation*. March.
- SECOR. 2007. *Aboveground Storage Tank GP-1208 (PA Registration #025A) Closure in Place Sampling Activities Report*. September 12.
- Stantec. 2022. *Sitewide Remedial Investigation Report Addendum*. May 20.
- Terraphase Engineering Inc. (Terraphase). 2021. *Aboveground Storage Tank Closure Work Plan*. March.



Tables

- 1 Aboveground Storage Tank Details
- 2 Soil Results Compared to MSC (Site Assessment)



Table 1
Aboveground Storage Tank Details

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Facility	State Regulation Number	Tank Number	Design Capacity (gal)	Primary Product	Proposed Analyte List	Regulatory Status	Facility ID	Status Modification Date	Tank Type	Double Bottom	Diameter (ft)	Height (ft)	Remaining Liquid (gal)	GPS Survey Complete	Demo Complete	Storage Tanks Reg./Permit App Form Submitted	Release Notification	Incident No.	Int. Remedial/Corrective Action Required
Girard Point	001A	GP R 1205	1,353,492	Benzene	Benzene	R	51-97890	2/6/2023	IFR	N	60	48	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	003A	GP R 1211	462,000	Cumene	Cumene	R	51-97890	2/7/2023	Cone Roof	N	45	42	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	004A	GP R 1213	886,200	Cumene	Cumene	R	51-97890	2/8/2023	Cone Roof	N	60	42	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	005A	GP R 1214	1,205,400	Benzene	Benzene	R	51-97890	2/7/2023	IFR	N	60	60	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	006A	GP R 1218	886,200	Cumene	Cumene	R	51-97890	2/21/2023	Cone Roof	N	60	41.1	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	007A	GP R 1219	1,890,000	Cumene	Cumene	R	51-97890	2/16/2023	Cone Roof	N	90	40	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	008A	GP R 1220	651,000	Cumene	Cumene	R	51-97890	2/17/2023	Cone Roof	N	48	48	N/A	Y	Y	3/2/2023	N/A	N/A	N/A
Girard Point	009A	GP R 1215	1,890,000	Cumene	Cumene	R	51-97890	2/9/2023	Cone Roof	N	90	40	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	010A	GP R 1216	450,072	Cumene	Cumene	R	51-97890	2/2/2023	IFR	N	45	41.5	N/A	Y	Y	3/2/2023	N/A	N/A	N/A
Girard Point	011A	GP R 1217	474,600	Cumene	Cumene	R	51-97890	2/21/2023	IFR	N	45	42	N/A	Y	Y	3/2/2023	N/A	N/A	N/A
Girard Point	012A	GP R 1208	474,600	Benzene	Benzene	R	51-97890	2/6/2023	IFR	N	45	42	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	013A	GP R 1209	474,600	Benzene	Benzene	R	51-97890	2/8/2023	IFR	N	45	42	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A
Girard Point	014A	GP R 1212	474,600	Cumene Offtest	Cumene	R	51-97890	2/7/2023	IFR	N	45	42	N/A	Y	Y	3/2/2023	6/20/2024	60221	N/A

Abbreviations:

- IFR -- Internal Floating Roof
- N -- No
- N/A -- Not Applicable
- R -- Removed
- Y -- Yes

Table 2
Soil Screening Summary (Site Assessment)
Tank Group 09
 Bellwether District Holdings, LLC, Philadelphia, PA

Matrix	Chem Group	Chemical	CASRN	Analyzed	Detected	Min Detected (mg/kg)	Mean Detected (mg/kg)	Max Detected (mg/kg)	Non-Res Direct Contact MSC for Surface Soil (0-2 ft) (mg/kg)	Ratio of Max Detect to Non-Res Direct Contact MSC for Surface Soil	Non-Res Direct Contact MSC for Subsurface Soil (2-15 ft) (mg/kg)	Ratio of Max Detect to Non-Res Direct Contact MSC for Subsurface Soil	Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC (mg/kg)	Ratio of Max Detect to Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC
Surface Soil	VOC	Benzene	71-43-2	1	1	0.00030	0.00030	0.00030	280	0.000011			0.50	0.00060
Surface Soil	VOC	Cumene	98-82-8	1	1	7.4	7.4	7.4	10000	0.00074			2500	0.0030
Subsurface Soil	VOC	Benzene	71-43-2	37	36	0.00031	24	420			330	1.3	0.50	840
Subsurface Soil	VOC	Cumene	98-82-8	76	59	0.00014	4900	55000			10000	5.5	2500	22

Notes:

Only constituents detected are shown.

The concentrations for the Xylene isomers (m/p and o) were summed before comparing to the criteria for Xylenes (total).

Ratios of concentration to the screening level greater than 1 are shaded in bold.

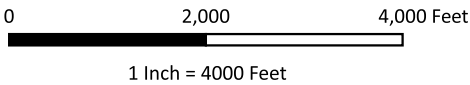
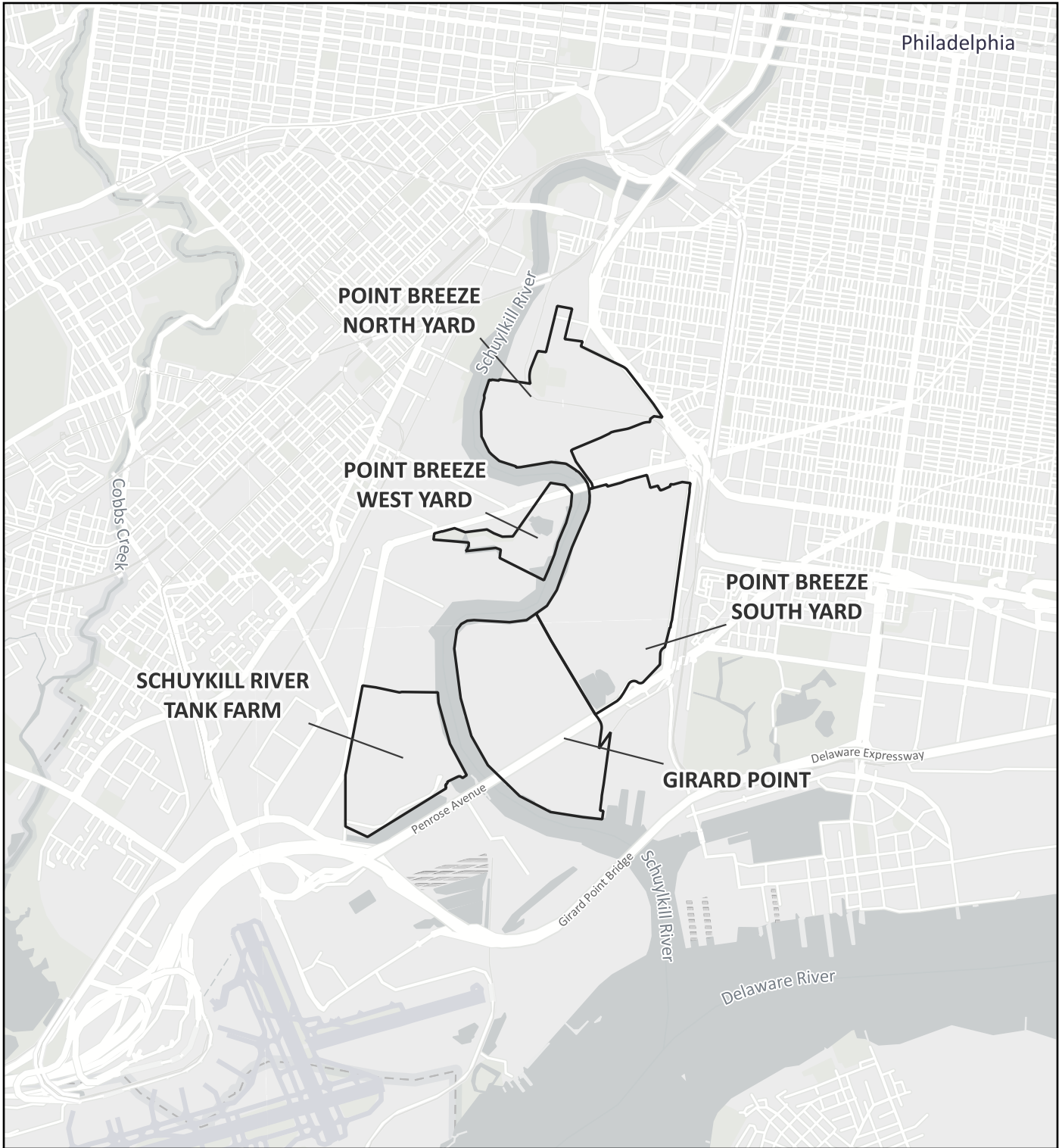
Chem Group - chemical group; VOC - volatile organic compounds

Figures

- 1 Facility Location
- 2 Site Location
- 3 Site Layout Map
- 4 Interpreted Unconfined GW Flow
- 5 Site Assessment Soil Sampling Locations
- 6a Surface Soil Analytical Results
- 6b Subsurface Soil Analytical Results
- 7a Extent of GW > MSC (Tank Group 09)
- 7b Extent of GW > MSC (Facility-Wide)
- 8 Current Estimated Extent of LNAPL
- 9a Soil Analytical Results (GP R 1215 & GP R 1219)
- 9b Soil Analytical Results (GP R 1211, GP R 1212, GP R 1213 & GP R 1218)
- 9c Soil Analytical Results (GP R 1205, GP R 1208, GP R 1209 & GP R 1214)
- 10a General Distribution of Benzene in Soil
- 10b General Distribution of Cumene in Soil



N:\GIS\PI\P044.001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\TG09\20240628\OGZ328_P044.001_PESRM_AST_TG09_SO.gaz Figure 1 - Facility Location 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial



Legend

 Property Boundary

SAFETY FIRST



CLIENT: Bellwether District Holdings, LLC

PROJECT: Aboveground Storage Tank Closure

PROJECT NUMBER: P044.001.002

Facility Location

FIGURE 1



Legend

- Property Boundary
- Tank Group 09 Boundary
- Previously Closed AST
- Berm Boundary
- Associated Piping

BDH Soil Sample Location

- No Exceedances
- Exceeds SGW MSC Only
- Exceeds NonRes DC and SGW MSC

Evergreen Soil Sample Location

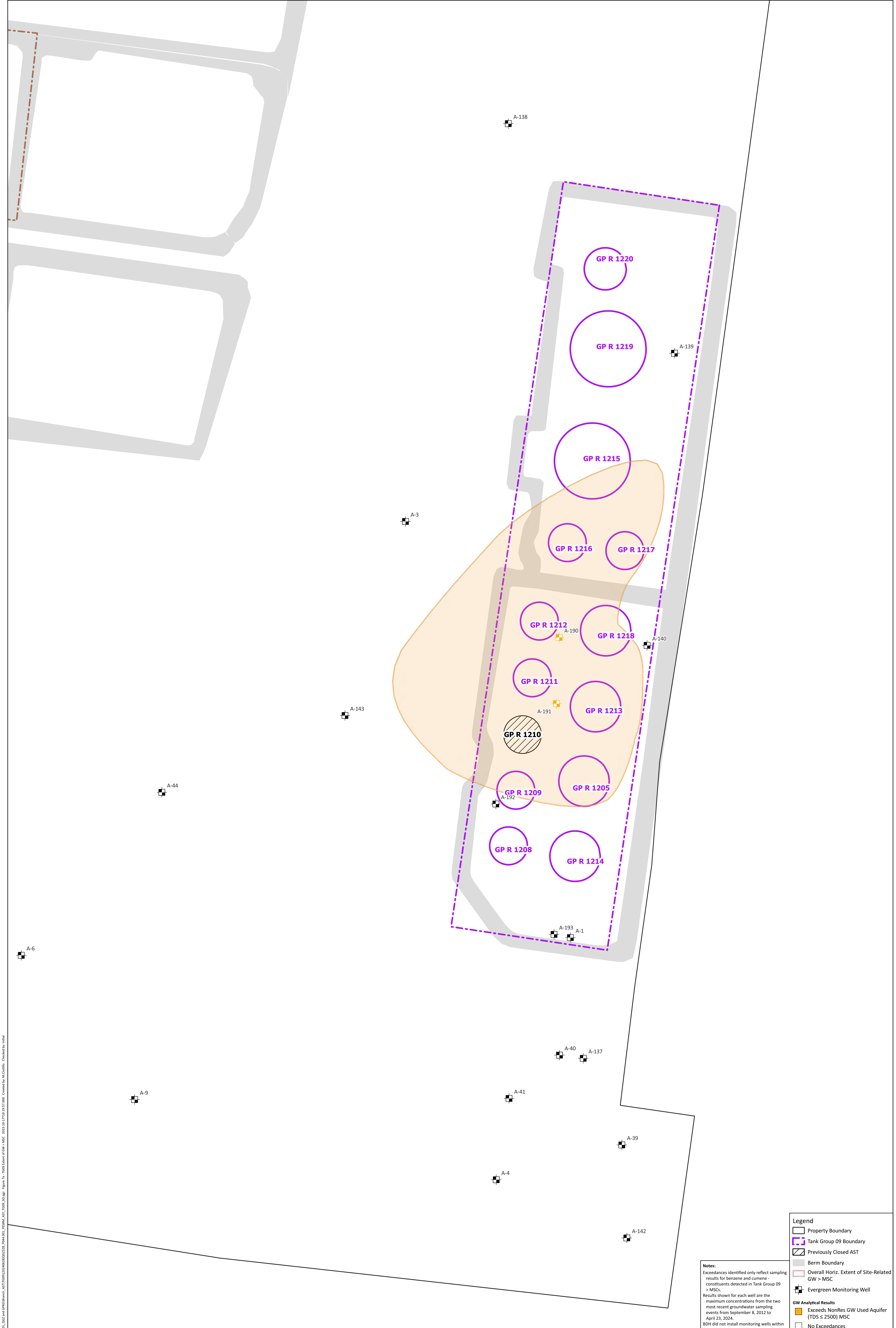
- No Exceedances
- Exceeds SGW MSC Only
- Exceeds NonRes DC and SGW MSC

Note:
Results presented are the maximum concentration of benzene and cumene from the surface soil at each location.

Abbreviations:
DC – Direct Contact
MSC – Medium Specific Concentrations
SGW – Soil-to-Groundwater

<p>1 Inch = 40 Feet</p>		<p>SAFETY FIRST</p>	<p>CLIENT: Bellwether District Holdings, LLC</p> <p>PROJECT: Aboveground Storage Tank Closure</p> <p>PROJECT NUMBER: P044.001.002</p>	<p>Subsurface Soil Analytical Results</p> <p>Figure 6b</p>
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N:\GIS\PM\4001_PSRM\PSR\GIS_CSGE and GPR\Bentley\AST\1000\20240620\20240620_104001_PSRM_AST_1000_2024.dwg Figure 6-Set 2024-10-17 10:57:00am Created by: M.Chenib. Checked by: mhal



N:\GIS\Projects\GIS\GIS_001\Map_Series\Map_Series_001_1209_2024.aprx - 1209 - Evergreen of GW - MSC - 2023-10-17 15:57:00 - Created by: MCGiblin - Checked by: initial

Notes:
 Exceedances identified only reflect sampling results for benzene and cumene - constituents detected in Tank Group 09 > MSC.
 Results shown for each well are the maximum concentrations from the two most recent groundwater sampling events from September 8, 2012 to April 23, 2024.
 BDH did not install monitoring wells within or in the vicinity of Tank Group 09.

- Legend**
- Property Boundary
 - Tank Group 09 Boundary
 - Previously Closed AST
 - Berm Boundary
 - Overall Horiz. Extent of Site-Related GW > MSC
 - Evergreen Monitoring Well
- GW Analytical Results**
- Exceeds NonRes GW Used Aquifer (TDS ≤ 2500) MSC
 - No Exceedances

<p>0 25 50 75 100 ft</p> <p>1 Inch = 50 Feet</p>		<p>SAFETY FIRST</p>	<p>CLIENT: Bellwether District Holdings, LLC</p> <p>PROJECT: Aboveground Storage Tank Closure</p> <p>PROJECT NUMBER: P044.001.002</p>	<p>Extent of GW > MSC (Tank Group 09)</p> <p>Figure 7a</p>
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Appendix A

Evergreen's Agreement Letter





Evergreen Resources Management
2 Righter Parkway, Suite 120
Wilmington, DE 19803

December 10, 2024

VIA email to cfazzino@pa.gov

Chelsea Fazzino, PG
Pennsylvania Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Subject: Bellwether District Holdings, LLC Release Investigation Report – Tank Group 09
3144 West Passyunk Avenue, Philadelphia, PA 19145

Dear Ms. Fazzino,

Evergreen Resources Group, LLC (Evergreen) has reviewed Terraphase Engineering Inc.'s Release Investigation Report – Tank Group 09, written on behalf of Bellwether District Holdings, LLC (BDH). The data collected during BDH's investigation activities generally align with data collected by Evergreen in the area between 2013 and 2021 during investigation of releases that occurred before September 2012. The Tank Group 09 area is being managed by Evergreen within our Act 2 program for the former refinery property and available data is being incorporated into forthcoming Human Health Risk Assessment, Cleanup Plan and Final Reporting activities under primary facility ID 780190.

Regards,

Evergreen Resources Management Operations

Tiffani L. Doerr, PG

cc: Julianna Connolly (jconnolly@hilcoglobal.com)
Amy Piccone (apiccone@hilcoglobal.com)

Appendix B

Aboveground Storage Tank System Closure Report Forms





ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

51-97890
Facility I.D.

Former Philadelphia Refinery - Girard Point - Tank Group 9
Facility Name

Philadelphia Philadelphia
Municipality County

November 21, 2024
Date Prepared

Kevin L. Long
Name of Person Submitting Report
(Please Print)

Terraphase Engineering Inc.
Company Name
(If Applicable)

Principal Consultant
Title

Closure Method (Check all that apply):

- AST Removal
- AST Closure-In-Place
- AST Change-In-Service

Site Assessment Results (Check all that apply):

- No Obvious Contamination - Sample Results Meet Standards/Levels
- No Obvious Contamination - Sample Results Do Not Meet Standards/Levels
- Obvious, Localized Contamination - Sample Results Meet Standards/Levels
- Obvious, Localized Contamination - Sample Results Do Not Meet Standards/Levels
- Obvious, Extensive Contamination

CLOSURE METHOD(s):		DEP Tank ID Number:			
Partial Storage Tank System Closure		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tank	a. Removal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Removal	b. Closure-in-Place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> N/A	c. Change-in-Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Closure-in-Place					
Piping	a. Removal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Removal	b. Closure-in-Place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> N/A	c. Change-in-Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Closure-in-Place					
Dispenser	a. Removal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Removal	b. Closure-in-Place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> N/A	c. Change-in-Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Closure-in-Place					
Other	a. Removal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Removal	b. Closure-in-Place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Change-in-Service	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Describe Closure Activities:

The tanks and associated piping were evacuated of any sale-able product, which was consolidated / bulked and eventually sold. All materials were either transferred to a slop oil tank through existing piping at the facility or via vacuum truck. When feasible the lines were drained back to the tank, and any product removed using a vacuum truck and stored with the other bulked products for future sale. The associated piping was then cleaned using copious amounts of water, high pressure water and /or purged with air or an inert gas such as nitrogen. Some heavy oil lines were flushed using cutter stock before using water. When required, a thermal Oxidizer was utilized to reduce the LEL inside the tank prior to opening and performing Confined Space Entry for cleaning. When necessary or prudent tanks and/or piping were also purged by pulling the internal atmosphere through activated carbon. Once the piping was cleaned, verification was conducted via a physical walk-down of the system, and painting valves and piping green as each was confirmed to be open and empty. The piping and utilities were then air gapped by the mechanical contractor (Nooter). Air gapping was followed by the simultaneous removal of the piping system and the cleaning the interior of the tank. Interior cleaning was conducted by one of three subcontracted industrial services companies (ACV Enviro, MPW, EISCO) and included when necessary the removal of floating roof seals (EFR/IFR). Pontoons were also inspected prior to demolition and if found to contain free product, they were evacuated and the product consolidated with the other like products stored for future sale. All cleaning water and rinsates were collected via vacuum truck and water was decanted at the wash pad leading to the the on-site WWTPs. The remaining sludges and tank bottoms were stabilized with water absorbing polymers and/or organic products such as kiln dried sawdust to ensure no free liquids in transit. The material was then loaded into intermodal containers (maximum 24 tons per container and 6 containers per rail car), and then placed on rail cars. Bills of lading were generated and sent to the railroad to schedule for pickup. The material was managed under 40 CFR 261.4(a)(24) verified recycling exemption and transported by rail to CWM in Sulphur, LA. Upon completion of the cleaning process the tanks and any remaining piping were dismantled, loaded into scrap recycling trucks and/or containers weighed at the facility scale and transported to a local scrap recycling company.

Yes N/A

11. Briefly describe the storage tank facility and the nature of the operations which were conducted at the facility (both historical and present) **including use of the storage tank systems:**

Tank Group 09 was located in the southeast portion of the Former Philadelphia Refinery Complex.

The tanks in the group held a variety of materials associated with the petroleum refining process.

Section I

- 12. A site location and sampling map of the site, drawn to scale, is attached. See page 11 of 11.
- 13. Original, color photographs of the closure process involving any excavation are attached (i.e., inside of excavation/piping runs, pit water, containment structure and foundation showing condition).
- 14. An amended "Storage Tanks Registration/Permitting Application" Form was submitted to the DEP, Bureau of Environmental Cleanup and Brownfields, Division of Storage Tanks, P.O. Box 8762, Harrisburg, PA 17105-8762.
Date: 03 / 2 / 2023
- 15. If a release was confirmed, the appropriate regional office of DEP was notified by the owner or operator.
Date: 06 / 20 / 2024 Office: Southeast

Section I

Yes N/A

- 16. If tanks were cleaned on-site:
 - a. Briefly describe the disposition of usable product: Usable product was drained from the tanks prior to cleaning and transferred to other on-site storage tanks. The useable product was consolidated and sold. Any residual product was discharged to the on-site process sewer and wastewater treatment system.
 - b. Briefly describe the disposal of unusable product, sludges, sediments, and wastewater generated during cleaning. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):
All tank bottoms to include sediments, sludges containing recoverable oil were managed in accordance with 40 CFR261.4(a)24. When shipped by rail to CWM in Sulphur, LA, the material was solidified using organic agents such as kilndried sawdust to ensure no free liquid during trasnsit, then placed into Inter-modal containers, loaded onto railcars, properly placarded and BOL's were generated and provided to the railroad. When transported to SAREX in West Deptford, NJ, the material was transporterd via vacuum truck and managed under the same exemption 40 CFR 261.4(a)(24). Any wastewater generated from cleaning was treated through the onsite waste water treatment plants (NPDES Permit #s 0012629 (Point Breeze) and 0011533 (Girard Point). Generator ID # PAD 0497910-98
 - c. If tank contents were determined/deemed to be hazardous waste, provide:
 - (1) Generator ID Number: PAD049791098
 - (2) Licensed Hazardous Waste Transporter Name and ID Number: Dana Transport, HW ID #40106; Chemical Waste Management - LA 0000777201,
BNSF Railway Company - LA 000147272
- 17. If tanks were removed from the site for cleaning:
 - a. Provide the name and permit number of the processing, treatment, storage or disposal facility performing the tank cleaning:
 - b. If tank contents were determined/deemed to be hazardous waste, provide:
 - (1) Generator ID Number: _____
 - (2) Licensed Hazardous Waste Transporter Name and ID Number: _____
- 18. Briefly describe the disposition of tanks/piping (Attach documentation of proper disposal):
All tanks and associated piping were cleaned, demolished and recycled for scrap value. Pipe and tank scrap was not segregated for transportation to the scrap facility; therefore, a specific quantity of piping or. tank scrap was not detailed in disposal documentation.

Section I

19. If contaminated soil is excavated:

a. Briefly describe the disposition and amount _____ (tons) of contaminated soil. Provide the name and permit number of the processing, treatment, storage or disposal facility. (Attach documentation of proper disposal):

b. If contaminated soil is determined/deemed to be hazardous waste, provide:

(1) Generator ID Number: _____

(2) Licensed Hazardous Waste Transporter Name and ID Number: _____

Yes N/A

20. Briefly describe the disposition of and amount _____ (tons) of uncontaminated soil and debris (attach analyses):

21. If the tanks were "Closed-in-Place" provide information below:

a. Briefly describe the tank cleaning _____ process:

b. If subcontracted, name and address of company that performed the tank cleaning:

c. How were tanks marked/labeled with permanent closure date: _____

I, Bellwether District Holdings, LLC, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the owner of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section I) is true, accurate and complete to the best of my knowledge and belief.



Anne R. Garr

Signature of Tank Owner

12 / 12 / 2024

Date

Bellwether District Holdings, LLC

Company Name
(If applicable)

in her capacity as Assistant Secretary to Owner

Title

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION II. Tank Handling Information

Facility ID Number 51 - 97890

DEP Tank ID Number(s) 001A, 003A, 004A, 005A, 006A, 007A, 0008A, 009A, 010A, 011A, 012A, 013A, 014A

Yes N/A

1. Briefly describe the excavation and initial on-site staging of uncontaminated/contaminated soil and debris:
Removed tank and piping debris was segregated and loaded into roll-off containers during demolition. Soil excavation was not completed at the time of AST removal.

2. Briefly describe the method of piping system closure and the closure of the piping systems including the quantity and condition of the piping:
All the pertinent tank and piping system locations requiring sampling for closure purposes were documented, cleaned, demolished, and recycled for scrap value. In some cases, air gapping and removal of tank system piping prior to the demo of the tank was conducted. No problems or issues concerning the condition of the piping systems were reported.

3. Briefly describe the condition of the tanks and any problems encountered during tank handling or tank removal activities:
None reported.

4. Briefly describe the method used to purge the tanks of and monitor for hazardous or explosive vapors:
Vapors were monitored via an LEL meter. The tanks and associated piping were evacuated of any sale-able product and then cleaned using copious amounts of water, high pressure water and /or purged with air or an inert gas such as nitrogen. Some heavy oil lines were flushed using cutter stock before using water. When required, a thermal oxidizer was utilized to reduce the LEL inside the tank prior to opening and performing Confined Space Entry for cleaning. When necessary or prudent tanks and/or piping were also purged by pulling the internal atmosphere through activated carbon.

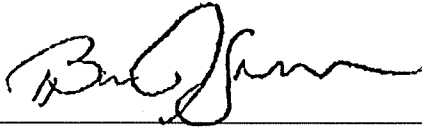
5. If tanks were cleaned on-site:
a. Briefly describe the tank cleaning process: The subcontracted companies used to clean tanks were ACV ENVIRO, EISCO, and MPW. Tanks were drained, cut open, rinsed and scrubbed clean of any residuals before demolition. See additional detail on page 3.

b. If subcontracted, name and address of company that performed the tank cleaning:
NorthStar Contracting Group, Inc., 2250 East Adams Avenue, Philadelphia, PA 19124
ACV Enviro, 2527 Market Street, Aston PA 19014
EISCO, 288 Oak Grove Road, Swedesboro, NJ 08085
MPW, 9711 Lancaster Road SE, Hebron, OH 43025

6. If tanks were "Closed-in-Place", briefly describe how tanks were rendered inoperative, marked permanently closed with date, vented and secured to prevent unauthorized entry: _____

7. If contamination was suspected or observed, the "Notification of Contamination" form was submitted.

I, Brian Berner, hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to
(Print Name)
unsworn falsification to authorities) that I am the certified remover who performed the tank handling activities associated
with the closure of the above referenced storage tank(s) and that the information provided by me in this closure report
(Section I) is true, accurate and complete to the best of my knowledge and belief.



Signature of Certified Remover

12/11/2024

Date

5341

Remover Certification Number

1631

Company Certification Number

AS.T. Construction, Inc.

Company Name

5 Canal Dr.

Street

Egs Harbor Twp. NJ 08234

City/Town, State, Zip

(609) 277-7101

Phone

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 001A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

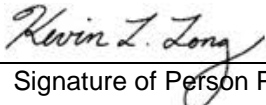
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/09/2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 1 - 001A (GPR 1205)

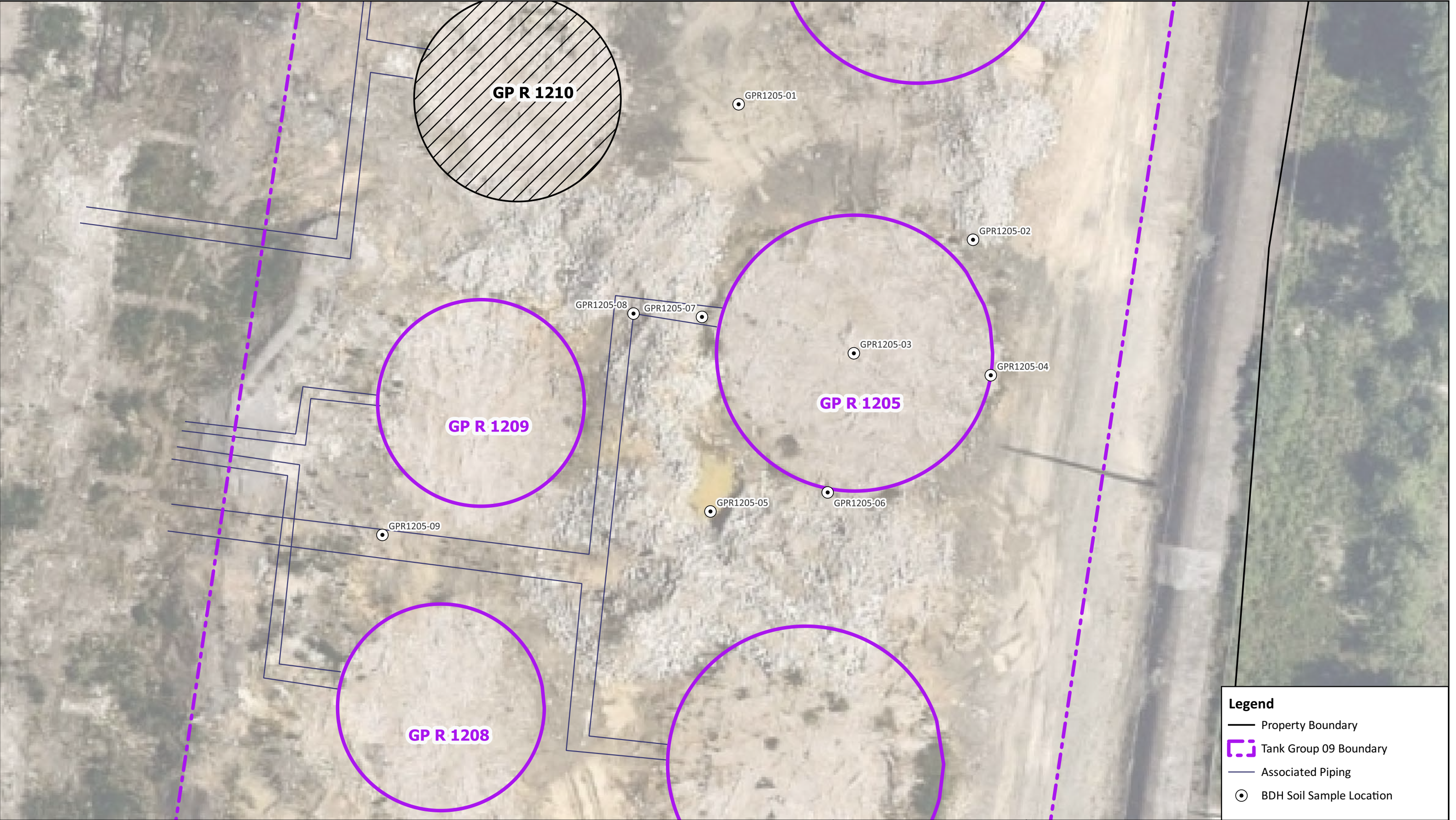
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1205-01	GPR1205-01-SS01	3.5	4.0	Benzene	SW8260D	Soil	170	0.67	6/4/2024	6/10/2024
GPR1205-02	GPR1205-02-SS01	4.0	4.5	Benzene	SW8260D	Soil	0.00032	0.00075	6/4/2024	6/6/2024
GPR1205-03	GPR1205-03-SS01	3.0	3.5	Benzene	SW8260D	Soil	5.3	0.058	6/4/2024	6/10/2024
GPR1205-04	GPR1205-04-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.00045	0.00073	6/4/2024	6/6/2024
GPR1205-05	DUP-61	3.0	3.5	Benzene	SW8260D	Soil	71	0.72	6/10/2024	6/14/2024
GPR1205-05	GPR1205-05-SS01	3.0	3.5	Benzene	SW8260D	Soil	180	0.5	6/10/2024	6/14/2024
GPR1205-06	GPR1205-06-SS01	4.5	5.0	Benzene	SW8260D	Soil	0.014	0.0008	6/4/2024	6/6/2024
GPR1205-07	GPR1205-07-SS01	2.0	2.5	Benzene	SW8260D	Soil	0.0027	0.00077	6/4/2024	6/6/2024
GPR1205-08	GPR1205-08-SS01	2.0	2.5	Benzene	SW8260D	Soil	0.003	0.00087	6/4/2024	6/6/2024
GPR1205-09	GPR1205-09-SS01	4.5	5.0	Benzene	SW8260D	Soil	0.084	0.00058	6/3/2024	6/7/2024

Notes:

SS -- Soil Sample.

N:\GIS\Prj\044.001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17 10:19:57.000 Created by: M.Civilillo Checked by: initial



Legend

- Property Boundary
- - - Tank Group 09 Boundary
- Associated Piping
- ⊙ BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet

	CLIENT: Bellwether District Holdings, LLC	Site Location and Sampling Map 001A (GP R 1205)
	PROJECT: Aboveground Storage Tank Closure	
PROJECT NUMBER: P044.001.002	FIGURE 1	



Photograph 1:

View of Tank 001A
(GP R 1205)
during loading.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 003A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

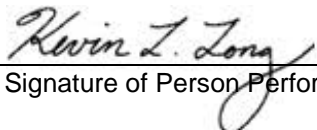
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/ 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 2 - 003A (GP R 1211)

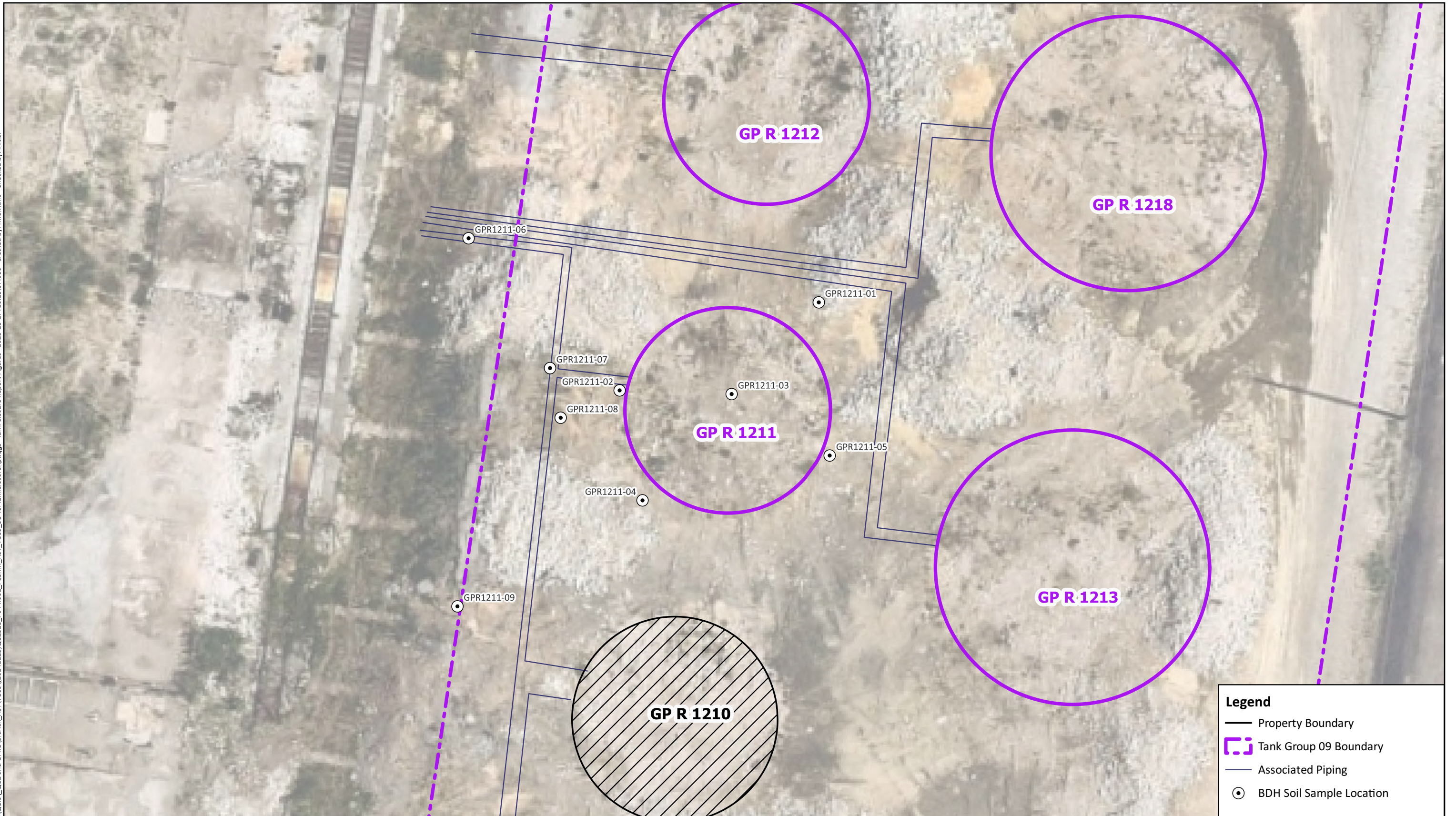
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1211-01	GPR1211-01-SS01	3.5	4.0	Cumene	SW8260D	Soil	27000	320	6/5/2024	6/11/2024
GPR1211-02	GPR1211-02-SS01	3.5	4.0	Cumene	SW8260D	Soil	40	0.22	6/5/2024	6/11/2024
GPR1211-03	GPR1211-03-SS01	3.0	3.5	Cumene	SW8260D	Soil	0.15	0.13	6/5/2024	6/11/2024
GPR1211-04	GPR1211-04-SS01	3.5	4.0	Cumene	SW8260D	Soil	23000	240	6/5/2024	6/11/2024
GPR1211-05	GPR1211-05-SS01	4.0	4.5	Cumene	SW8260D	Soil	30000	210	6/4/2024	6/7/2024
GPR1211-06	GPR1211-06-SS01	4.5	5.0	Cumene	SW8260D	Soil	5600	48	6/11/2024	6/18/2024
GPR1211-07	GPR1211-07-SS01	4.0	4.5	Cumene	SW8260D	Soil	8	0.11	6/5/2024	6/10/2024
GPR1211-08	GPR1211-08-SS01	1.5	2.0	Cumene	SW8260D	Soil	7.4	0.096	6/5/2024	6/10/2024
GPR1211-09	GPR1211-09-SS01	4.0	4.5	Cumene	SW8260D	Soil	30000	410	6/5/2024	6/11/2024

Notes:

SS -- Soil Sample.

N:\GIS\Proj\P044.001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17 10:19:57.000 Created by: M.Civittillo Checked by: initial



Legend	
	Property Boundary
	Tank Group 09 Boundary
	Associated Piping
	BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet

SAFETY FIRST

CLIENT:	Bellwether District Holdings, LLC
PROJECT:	Aboveground Storage Tank Closure
PROJECT NUMBER:	P044.001.002

Site Location and Sampling Map 003A (GP R 1211)

FIGURE 2



Started demo on 1211.

Photograph 1:

View of Tank 003A
(GP R 1211)
during loading.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 004A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

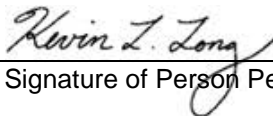
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

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I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12 / 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 3 - 004A (GP R 1213)

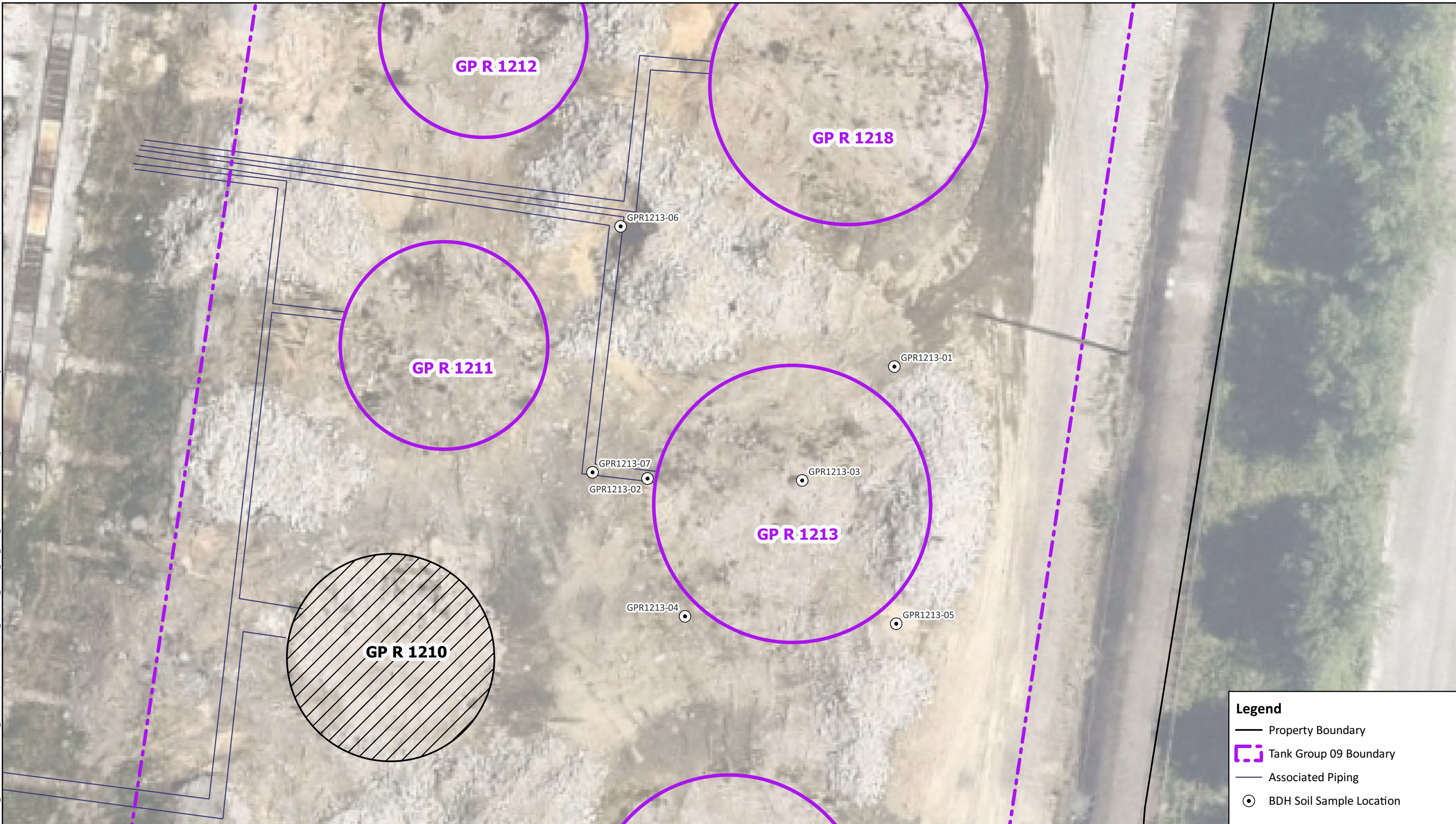
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1213-01	GPR1213-01-SS01	3.0	3.5	Cumene	SW8260D	Soil	0.0042	0.0014	6/5/2024	6/12/2024
GPR1213-02	GPR1213-02-SS01	4.5	5.0	Cumene	SW8260D	Soil	22000	200	6/4/2024	6/7/2024
GPR1213-03	GPR1213-03-SS01	4.5	5.0	Cumene	SW8260D	Soil	1	0.11	6/4/2024	6/7/2024
GPR1213-04	GPR1213-04-SS01	4.5	5.0	Cumene	SW8260D	Soil	16000	310	6/4/2024	6/7/2024
GPR1213-05	GPR1213-05-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.00058	0.0015	6/5/2024	6/12/2024
GPR1213-06	GPR1213-06-SS01	3.5	4.0	Cumene	SW8260D	Soil	9.6	0.11	6/5/2024	6/11/2024
GPR1213-07	GPR1213-07-SS01	3.5	4.0	Cumene	SW8260D	Soil	21000	160	6/4/2024	6/11/2024

Notes:

SS -- Soil Sample.

N:\GIS\Proj\044.001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17 10:19:57.000 Created by: M.Civilillo Checked by: initial



Legend

- Property Boundary
- ⌈ Tank Group 09 Boundary
- Associated Piping
- ⊙ BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

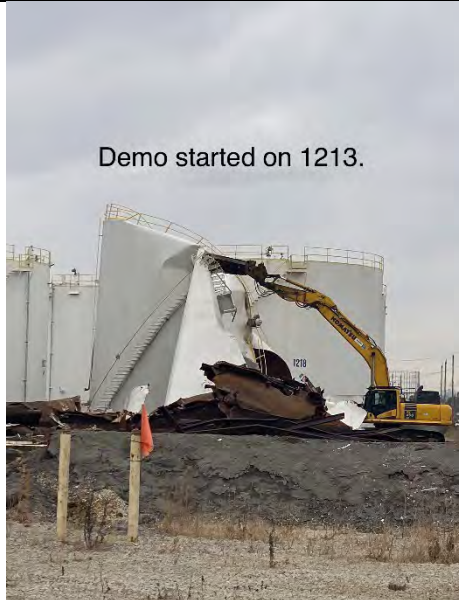

1 Inch = 20 Feet

SAFETY FIRST

CLIENT:	Bellwether District Holdings, LLC
PROJECT:	Aboveground Storage Tank Closure
PROJECT NUMBER:	P044.001.002

Site Location and Sampling Map 004A (GP R 1213)

FIGURE 3

 <p>Demo started on 1213.</p>		<p>Photograph 1:</p> <p>View of Tank 004A (GP R 1213) during demo.</p>
 <p>Completed demo on 1213.</p>		<p>View of Tank 004A (GP R 1213) after demo.</p>

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 005A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

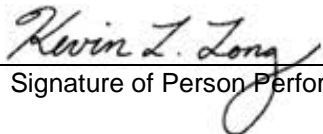
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Signature of Person Performing Site Assessment

12/ 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 4 - 005A (GPR 1214)

Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1214-01	GPR1214-01-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.00031	0.00067	6/4/2024	6/7/2024
GPR1214-02	GPR1214-02-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.085	0.00076	6/4/2024	6/7/2024
GPR1214-03	GPR1214-03-SS01	4.0	4.5	Benzene	SW8260D	Soil	0.036	0.00092	6/4/2024	6/7/2024
GPR1214-04	GPR1214-04-SS01	1.0	1.5	Benzene	SW8260D	Soil	0.0003	0.00064	6/4/2024	6/7/2024
GPR1214-05	GPR1214-05-SS01	4.0	4.5	Benzene	SW8260D	Soil	0.038	0.00088	6/4/2024	6/7/2024
GPR1214-06	GPR1214-06-SS01	2.0	2.5	Benzene	SW8260D	Soil	0.0078	0.00085	6/4/2024	6/7/2024
GPR1214-07	DUP-57	2.0	2.5	Benzene	SW8260D	Soil	0.00044	0.00063	6/4/2024	6/7/2024
GPR1214-07	GPR1214-07-SS01	2.0	2.5	Benzene	SW8260D	Soil	0.00055	0.00067	6/4/2024	6/7/2024
GPR1214-08	GPR1214-08-SS01	4.5	5.0	Benzene	SW8260D	Soil	1.7	0.035	6/4/2024	6/7/2024
GPR1214-09	GPR1214-09-SS01	2.0	2.5	Benzene	SW8260D	Soil	2.9	0.058	6/10/2024	6/14/2024

Notes:

SS -- Soil Sample.

N:\GIS\Proj\044_001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial




Legend	
	Property Boundary
	Tank Group 09 Boundary
	Associated Piping
	BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet



SAFETY FIRST



CLIENT:	Bellwether District Holdings, LLC
PROJECT:	Aboveground Storage Tank Closure
PROJECT NUMBER:	P044.001.002

Site Location and Sampling Map 005A (GP R 1214)
FIGURE 4



Demo started on 1214.

Photograph 1:

View of Tank 005A (GP R 1214) during demo.



Demo complete at 1214. Prepping steel for removal at 1208 and 1241.

View of Tank 005A (GP R 1214) after demo.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 006A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

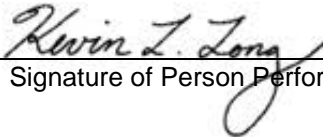
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/ 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 5 - 006A (GP R 1218)

Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1218-01	GPR1218-01-SS01	2.5	3.0	Cumene	SW8260D	Soil	0.00043	0.0016	6/6/2024	6/12/2024
GPR1218-02	GPR1218-02-SS01	2.5	3.0	Cumene	SW8260D	Soil	10000	150	6/6/2024	6/12/2024
GPR1218-03	GPR1218-03-SS01	3.5	4.0	Cumene	SW8260D	Soil	0.002	0.0015	6/6/2024	6/12/2024
GPR1218-04	GPR1218-04-SS01	3.0	3.5	Cumene	SW8260D	Soil	9300	170	6/6/2024	6/12/2024
GPR1218-05	GPR1218-05-SS01	3.5	4.0	Cumene	SW8260D	Soil	0.0013	0.0014	6/6/2024	6/12/2024
GPR1218-06	GPR1218-06-SS01	4.0	4.5	Cumene	SW8260D	Soil	19000	240	6/6/2024	6/13/2024
GPR1218-07	GPR1218-07-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.12	0.088	6/5/2024	6/11/2024

Notes:

SS -- Soil Sample.

N:\GIS\Prj\044.001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\T\G09\20241125\OGZ328_P044.001_PESRM_AST_TG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17 10:19:57,000 Created by: M.Civilillo Checked by: initial



Legend

- Property Boundary
- ⌈ Tank Group 09 Boundary
- Associated Piping
- ⊙ BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet

SAFETY FIRST	CLIENT: Bellwether District Holdings, LLC	Site Location and Sampling Map 006A (GP R 1218)
	PROJECT: Aboveground Storage Tank Closure	
	PROJECT NUMBER: P044.001.002	

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 007A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

-----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling-----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

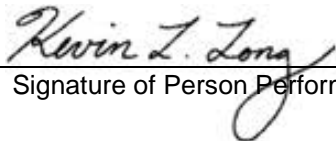
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/09/2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 6 - 007A (GPR 1219)

Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1219-01	GPR1219-01-SS01	3.0	3.5	Cumene	SW8260D	Soil	0.00076	0.0013	6/10/2024	6/16/2024
GPR1219-02	GPR1219-02-SS01	4.0	4.5	Cumene	SW8260D	Soil	3900	40	6/11/2024	6/18/2024
GPR1219-03	GPR1219-03-SS01	4.5	5.0	Cumene	SW8260D	Soil	3000	76	6/7/2024	6/14/2024
GPR1219-04	GPR1219-04-SS01	3.0	3.5	Cumene	SW8260D	Soil	11	0.12	6/7/2024	6/13/2024
GPR1219-05	GPR1219-05-SS01	2.5	3.0	Cumene	SW8260D	Soil	1900	68	6/7/2024	6/14/2024
GPR1219-06	GPR1219-06-SS01	3.0	3.5	Cumene	SW8260D	Soil	0.37	0.15	6/7/2024	6/13/2024
GPR1219-07	GPR1219-07-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0028	6/7/2024	6/13/2024
GPR1219-08	GPR1219-08-SS01	2.0	2.5	Cumene	SW8260D	Soil	ND	0.0018	6/7/2024	6/13/2024

Notes:

SS -- Soil Sample.

N:\GIS\Proj\P044.001_PESRM-PES\GIS\OGZ and GPKS\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial



Legend	
	Property Boundary
	Tank Group 09 Boundary
	Associated Piping
	BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet

SAFETY FIRST

CLIENT:	Bellwether District Holdings, LLC
PROJECT:	Aboveground Storage Tank Closure
PROJECT NUMBER:	P044.001.002

Site Location and Sampling Map 007A (GP R 1219)

FIGURE 6

Started demo on 1219



Photograph 1:

View of Tank 007A
(GP R 1219)
during loading.

Continued and completed demo on
1219



Photograph 2:

View of Tank
007A (GP R 1219)
after demolition.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 008A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

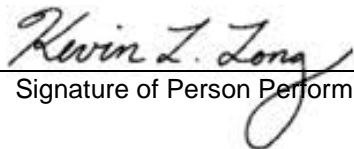
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12 / 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 7 - 008A (GP R 1220)

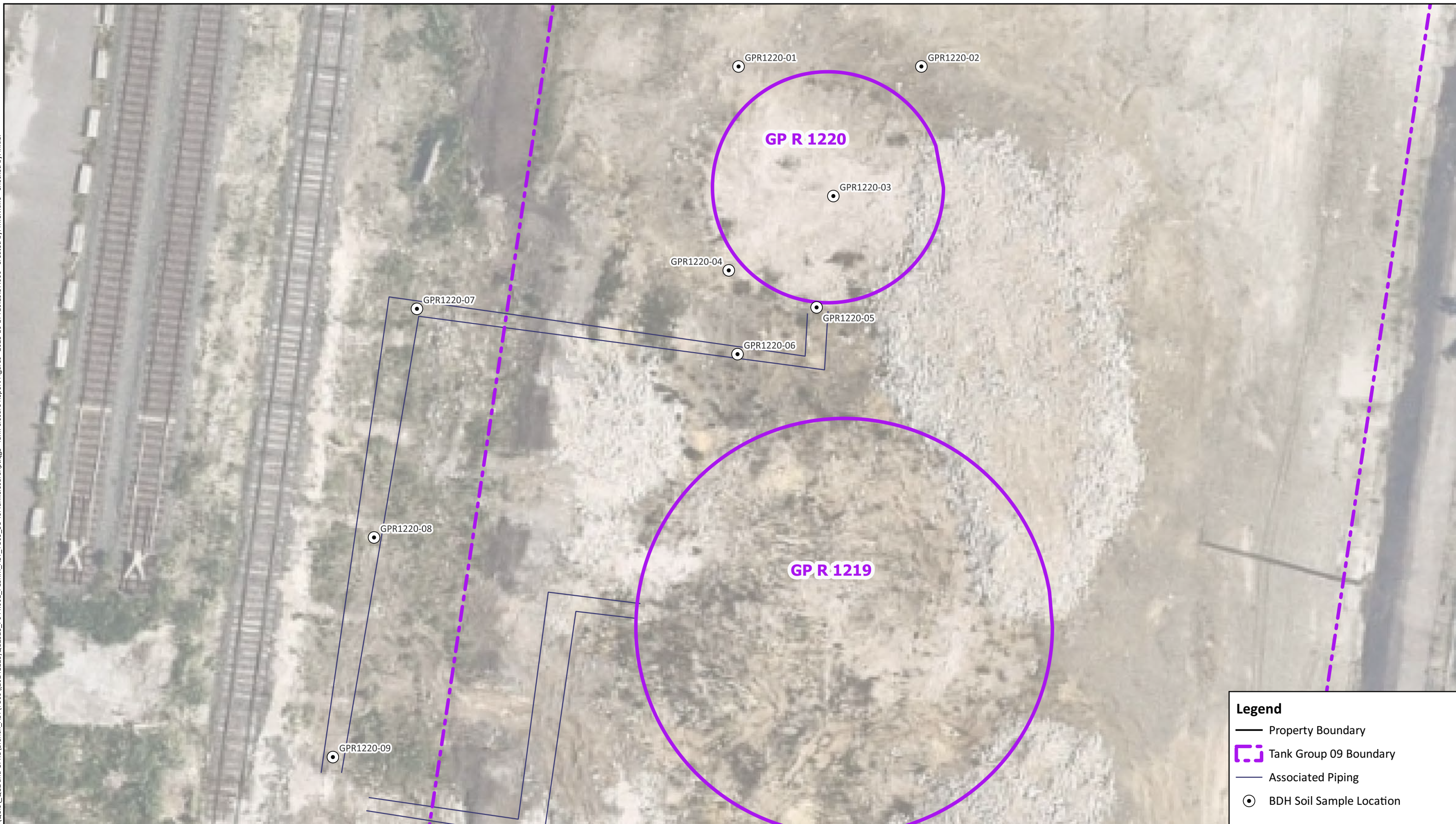
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1220-01	GPR1220-01-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.002	6/10/2024	6/14/2024
GPR1220-02	GPR1220-02-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0022	6/10/2024	6/14/2024
GPR1220-03	GPR1220-03-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.002	6/10/2024	6/14/2024
GPR1220-04	GPR1220-04-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0048	6/10/2024	6/16/2024
GPR1220-05	GPR1220-05-SS01	3.0	3.5	Cumene	SW8260D	Soil	0.15	0.12	6/10/2024	6/14/2024
GPR1220-06	GPR1220-06-SS01	2.0	2.5	Cumene	SW8260D	Soil	1.9	0.16	6/10/2024	6/15/2024
GPR1220-07	GPR1220-07-SS01	2.0	2.5	Cumene	SW8260D	Soil	12	0.11	6/7/2024	6/13/2024
GPR1220-08	GPR1220-08-SS01	4.5	5.0	Cumene	SW8260D	Soil	2.6	0.095	6/7/2024	6/13/2024
GPR1220-09	GPR1220-09-SS01	4.5	5.0	Cumene	SW8260D	Soil	120	2.2	6/7/2024	6/13/2024

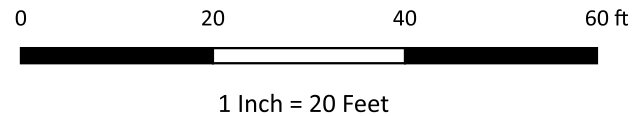
Notes:

SS -- Soil Sample.

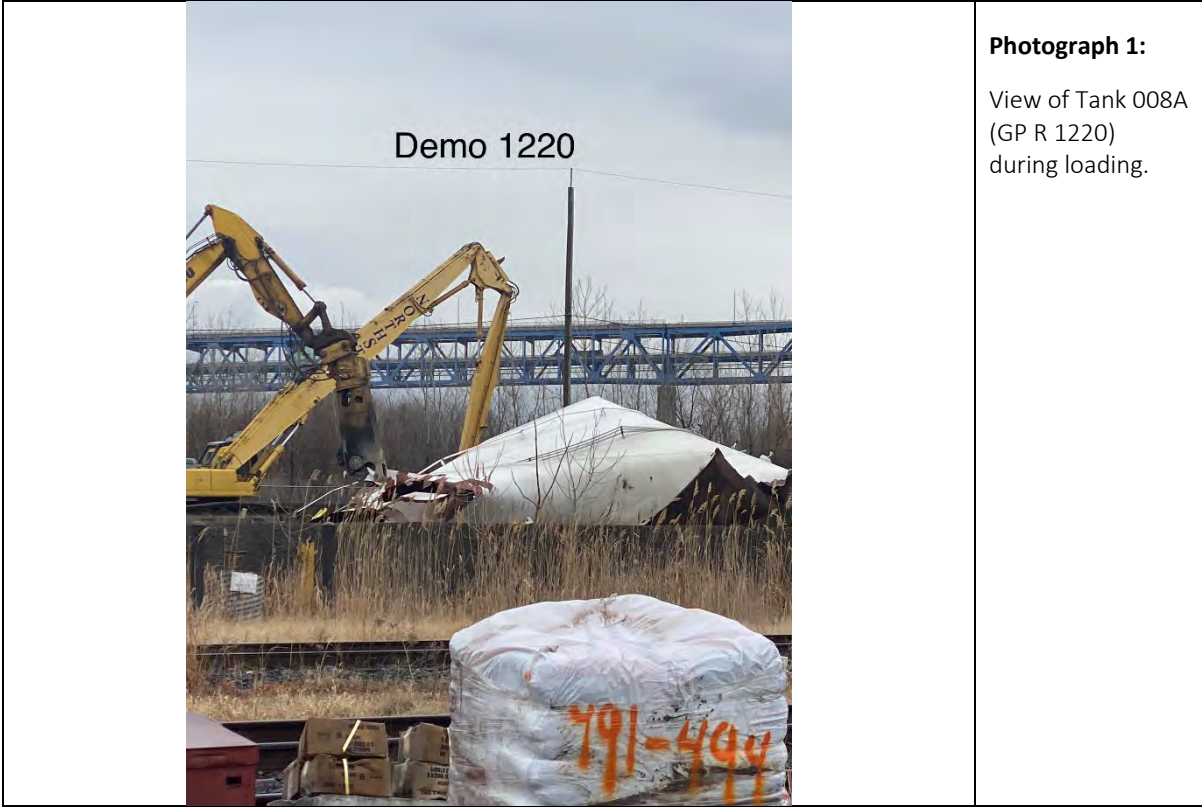
N:\GIS\Proj\044_001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_50-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial



Aerial imagery source: Nearmap (June 2024)



SAFETY FIRST 	CLIENT: Bellwether District Holdings, LLC	Site Location and Sampling Map 008A (GP R 1220)
	PROJECT: Aboveground Storage Tank Closure	
	PROJECT NUMBER: P044.001.002	FIGURE 7



ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 009A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

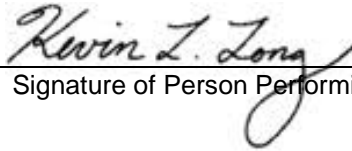
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12 / 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 8 - 009A (GP R 1215)

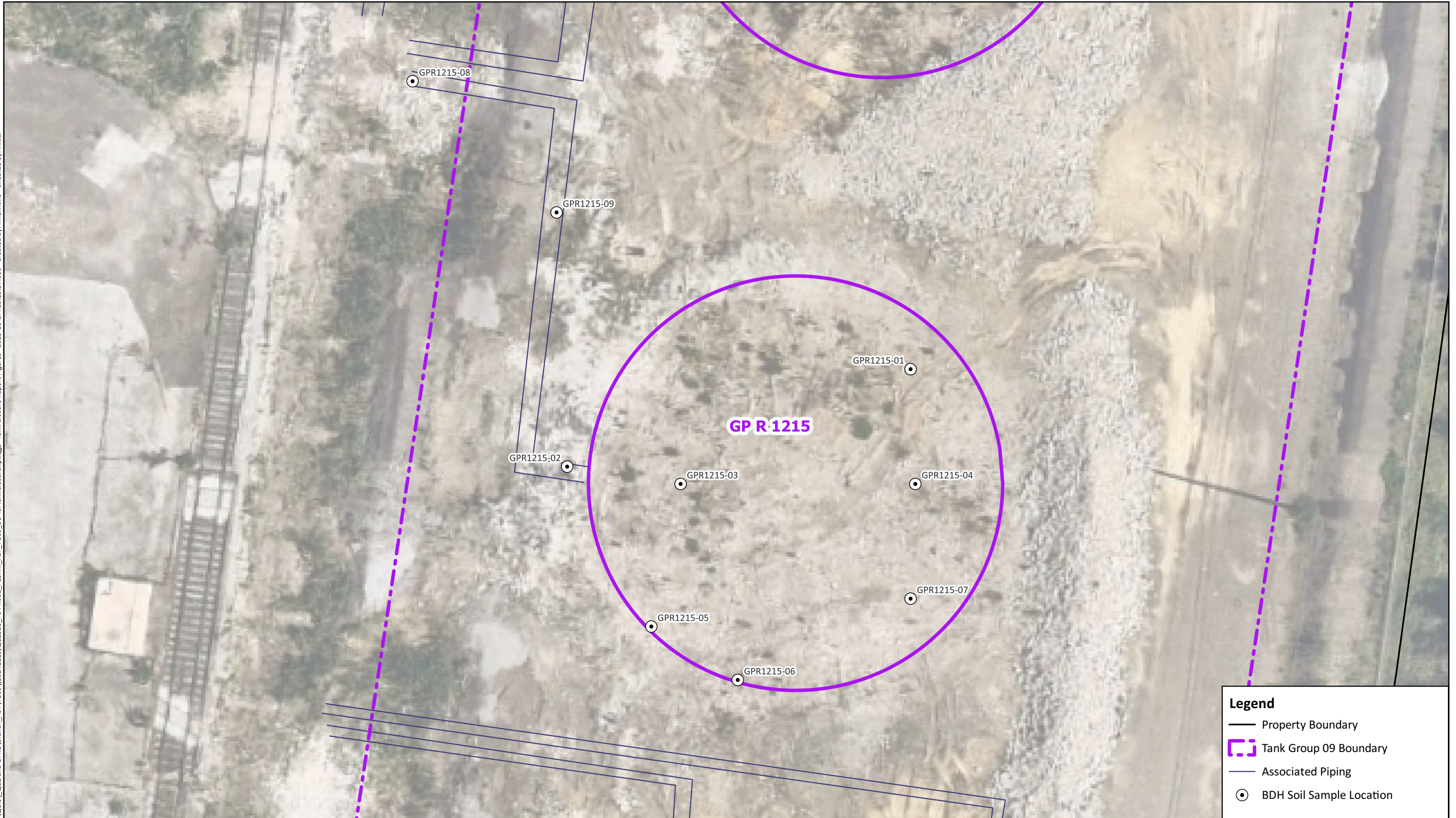
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1215-01	GPR1215-01-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0027	6/7/2024	6/13/2024
GPR1215-02	GPR1215-02-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0018	6/7/2024	6/13/2024
GPR1215-03	GPR1215-03-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0026	6/7/2024	6/13/2024
GPR1215-04	GPR1215-04-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0019	6/7/2024	6/13/2024
GPR1215-05	GPR1215-05-SS01	3.0	3.5	Cumene	SW8260D	Soil	240	6.5	6/7/2024	6/13/2024
GPR1215-06	GPR1215-06-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0013	6/6/2024	6/11/2024
GPR1215-07	GPR1215-07-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0012	6/6/2024	6/11/2024
GPR1215-08	GPR1215-08-SS01	3.5	4.0	Cumene	SW8260D	Soil	3600	38	6/7/2024	6/13/2024
GPR1215-09	GPR1215-09-SS01	2.0	2.5	Cumene	SW8260D	Soil	ND	0.0014	6/7/2024	6/13/2024

Notes:

SS -- Soil Sample.

N:\GIS\Proj\044.001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial



Legend

- Property Boundary
- ⋮ Tank Group 09 Boundary
- Associated Piping
- ⊙ BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

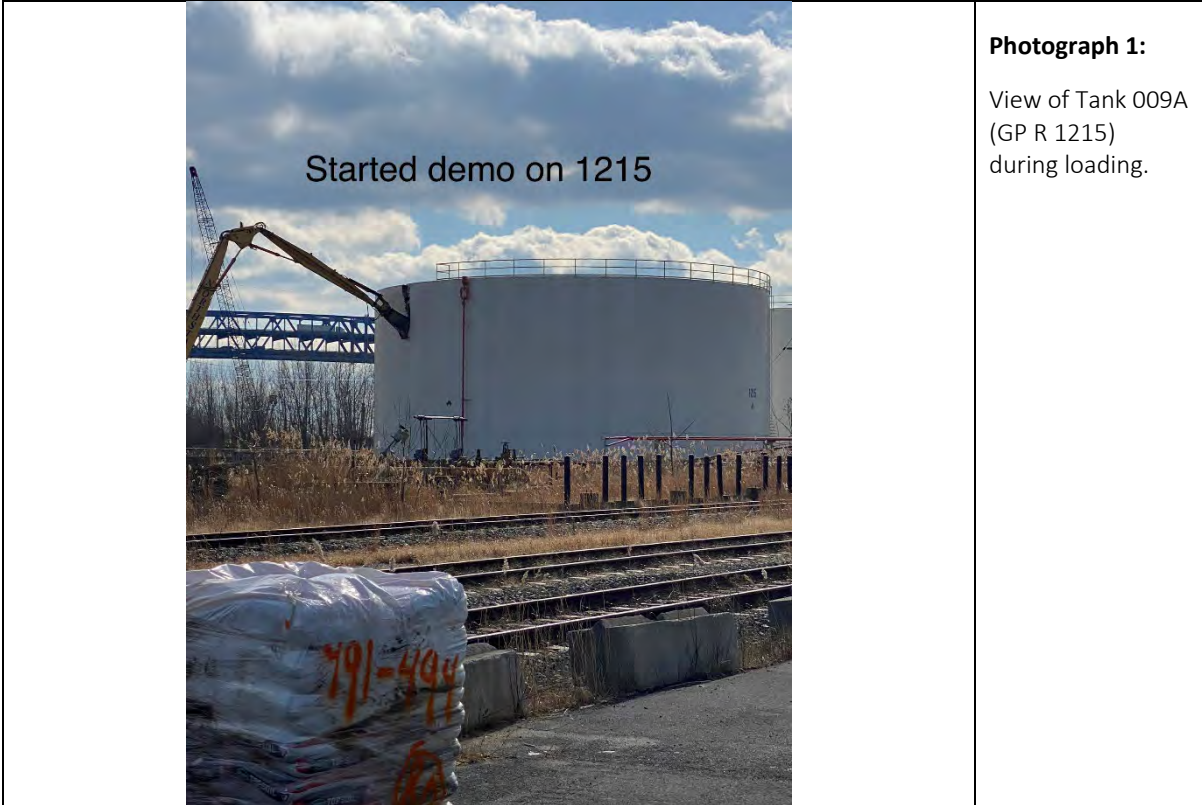
1 Inch = 20 Feet

SAFETY FIRST

CLIENT:	Bellwether District Holdings, LLC
PROJECT:	Aboveground Storage Tank Closure
PROJECT NUMBER:	P044.001.002

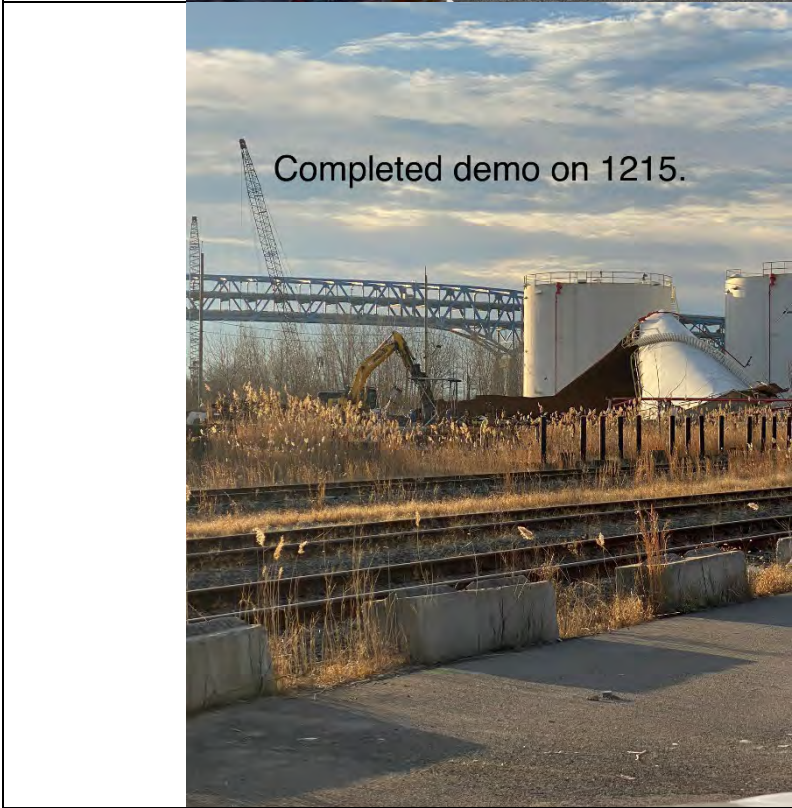
Site Location and Sampling Map 009A (GP R 1215)

FIGURE 8



Photograph 1:

View of Tank 009A (GP R 1215) during loading.



Photograph 2:

View of Tank 009A (GP R 1215) after demolition.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 010A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

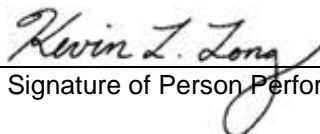
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

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I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12 / 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 9 - 010A (GP R 1216)

Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1216-01	DUP-60	2.0	2.5	Cumene	SW8260D	Soil	0.00051	0.0016	6/11/2024	6/16/2024
GPR1216-01	GPR1216-01-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.017	0.0014	6/11/2024	6/18/2024
GPR1216-02	GPR1216-02-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0011	6/6/2024	6/11/2024
GPR1216-03	GPR1216-03-SS01	3.5	4.0	Cumene	SW8260D	Soil	470	6.5	6/6/2024	6/12/2024
GPR1216-04	GPR1216-04-SS01	3.0	3.5	Cumene	SW8260D	Soil	33	0.12	6/6/2024	6/12/2024
GPR1216-05	GPR1216-05-SS01	3.0	3.5	Cumene	SW8260D	Soil	6.5	0.12	6/6/2024	6/12/2024
GPR1216-06	GPR1216-06-SS01	3.0	3.5	Cumene	SW8260D	Soil	0.00039	0.001	6/6/2024	6/11/2024
GPR1216-07	GPR1216-07-SS01	2.0	2.5	Cumene	SW8260D	Soil	15	0.078	6/6/2024	6/12/2024
GPR1216-08	GPR1216-08-SS01	4.0	4.5	Cumene	SW8260D	Soil	160	0.54	6/6/2024	6/12/2024

Notes:

SS -- Soil Sample.

N:\GIS\Prj\044.001_PESRM-PES\GIS\OGZ and GPKS\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.clgz Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial



Legend	
	Property Boundary
	Tank Group 09 Boundary
	Associated Piping
	BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

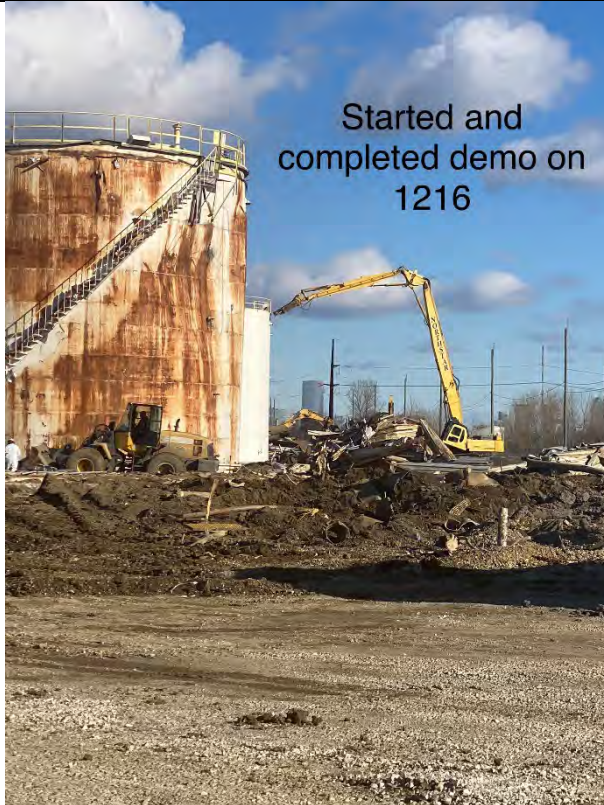
1 Inch = 20 Feet

SAFETY FIRST

CLIENT:	Bellwether District Holdings, LLC
PROJECT:	Aboveground Storage Tank Closure
PROJECT NUMBER:	P044.001.002

Site Location and Sampling Map 010A (GP R 1216)

FIGURE 9



Photograph 1:
View of Tank 010A
(GP R 1216)
during loading.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 011A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

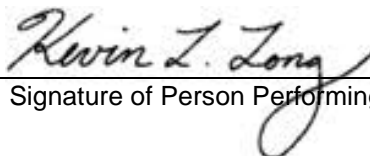
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

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I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/ 09 /2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 10 - 011A (GP R 1217)

Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1217-01	GPR1217-01-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.00018	0.0011	6/6/2024	6/12/2024
GPR1217-02	GPR1217-02-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.00017	0.0015	6/7/2024	6/13/2024
GPR1217-03	GPR1217-03-SS01	2.0	2.5	Cumene	SW8260D	Soil	ND	0.0011	6/7/2024	6/13/2024
GPR1217-04	GPR1217-04-SS01	2.0	2.5	Cumene	SW8260D	Soil	ND	0.0023	6/7/2024	6/13/2024
GPR1217-05	GPR1217-05-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.00054	0.0017	6/6/2024	6/12/2024
GPR1217-06	GPR1217-06-SS01	3.0	3.5	Cumene	SW8260D	Soil	ND	0.0015	6/6/2024	6/12/2024
GPR1217-07	DUP-59	2.0	2.5	Cumene	SW8260D	Soil	0.0028	0.0012	6/6/2024	6/12/2024
GPR1217-07	GPR1217-07-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.00022	0.001	6/6/2024	6/12/2024

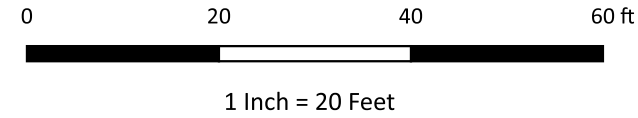
Notes:

SS -- Soil Sample.

N:\GIS\Prj\044.001_PESRM-PES\GIS\OGZ and GPKS\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.cigt. Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial



Aerial imagery source: Nearmap (June 2024)



	CLIENT: Bellwether District Holdings, LLC	Site Location and Sampling Map 011A (GP R 1217)
	PROJECT: Aboveground Storage Tank Closure	
PROJECT NUMBER: P044.001.002	FIGURE 10	



ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 012A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

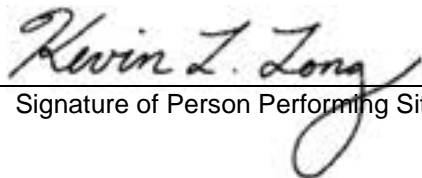
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I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/ 09 /2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 11 - 012A (GP R 1208)

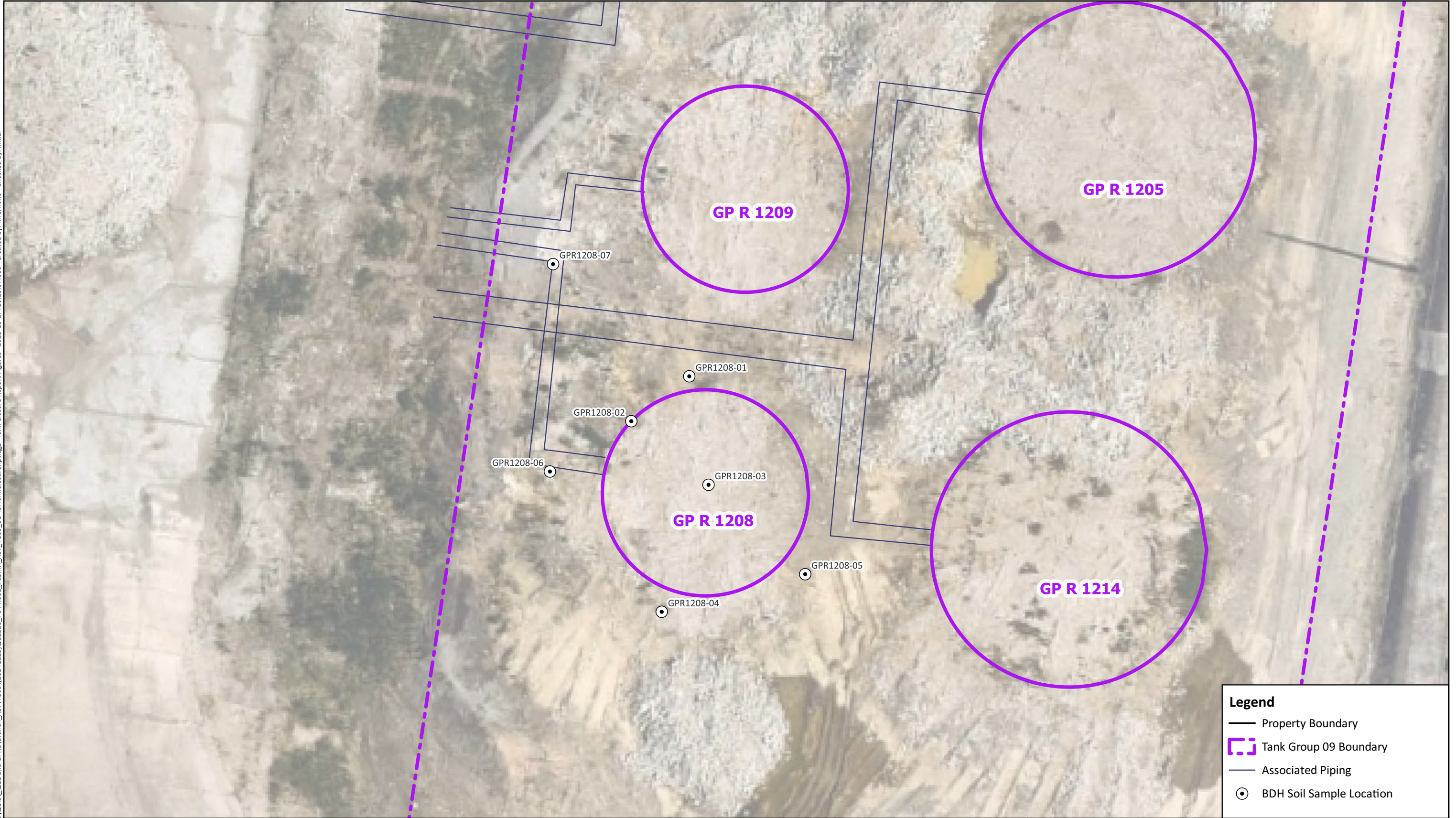
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1208-01	GPR1208-01-SS01	4.0	4.5	Benzene	SW8260D	Soil	0.032	0.00066	6/3/2024	6/6/2024
GPR1208-02	GPR1208-02-SS01-G	3.0	3.5	Benzene	SW8260D	Soil	0.047	0.0009	6/3/2024	6/6/2024
GPR1208-02	GPR1208-02-SS01-P	2.0	2.5	Benzene	SW8260D	Soil	0.012	0.0007	6/3/2024	6/6/2024
GPR1208-03	GPR1208-03-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.0007	0.00063	6/4/2024	6/6/2024
GPR1208-04	GPR1208-04-SS01	3.5	4.0	Benzene	SW8260D	Soil	0.015	0.00064	6/4/2024	6/6/2024
GPR1208-05	GPR1208-05-SS01	3.0	3.5	Benzene	SW8260D	Soil	2.7	0.095	6/4/2024	6/10/2024
GPR1208-06	GPR1208-06-SS01	2.0	2.5	Benzene	SW8260D	Soil	0.035	0.00071	6/3/2024	6/6/2024
GPR1208-07	GPR1208-07-SS01	4.5	5.0	Benzene	SW8260D	Soil	0.16	0.0008	6/3/2024	6/7/2024

Notes:

SS -- Soil Sample.

N:\GIS\Prj\044_001_PESRM-PES\GIS\OGZ and GPKS\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civilillo Checked by: initial



Legend	
	Property Boundary
	Tank Group 09 Boundary
	Associated Piping
	BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet

 	CLIENT: Bellwether District Holdings, LLC
	PROJECT: Aboveground Storage Tank Closure
	PROJECT NUMBER: P044.001.002

Site Location and Sampling Map 012A (GP R 1208)
FIGURE 11



Photograph 1:
View of Tank 012A
(GP R 1208)
during loading.



Photograph 2:
View of Tank
012A (GP R 1208)
during loading.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 013A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

-----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling-----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

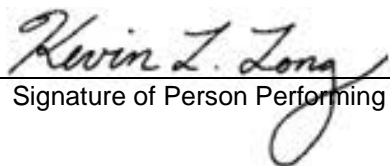
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/ 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 12 - 013A (GP R 1209)

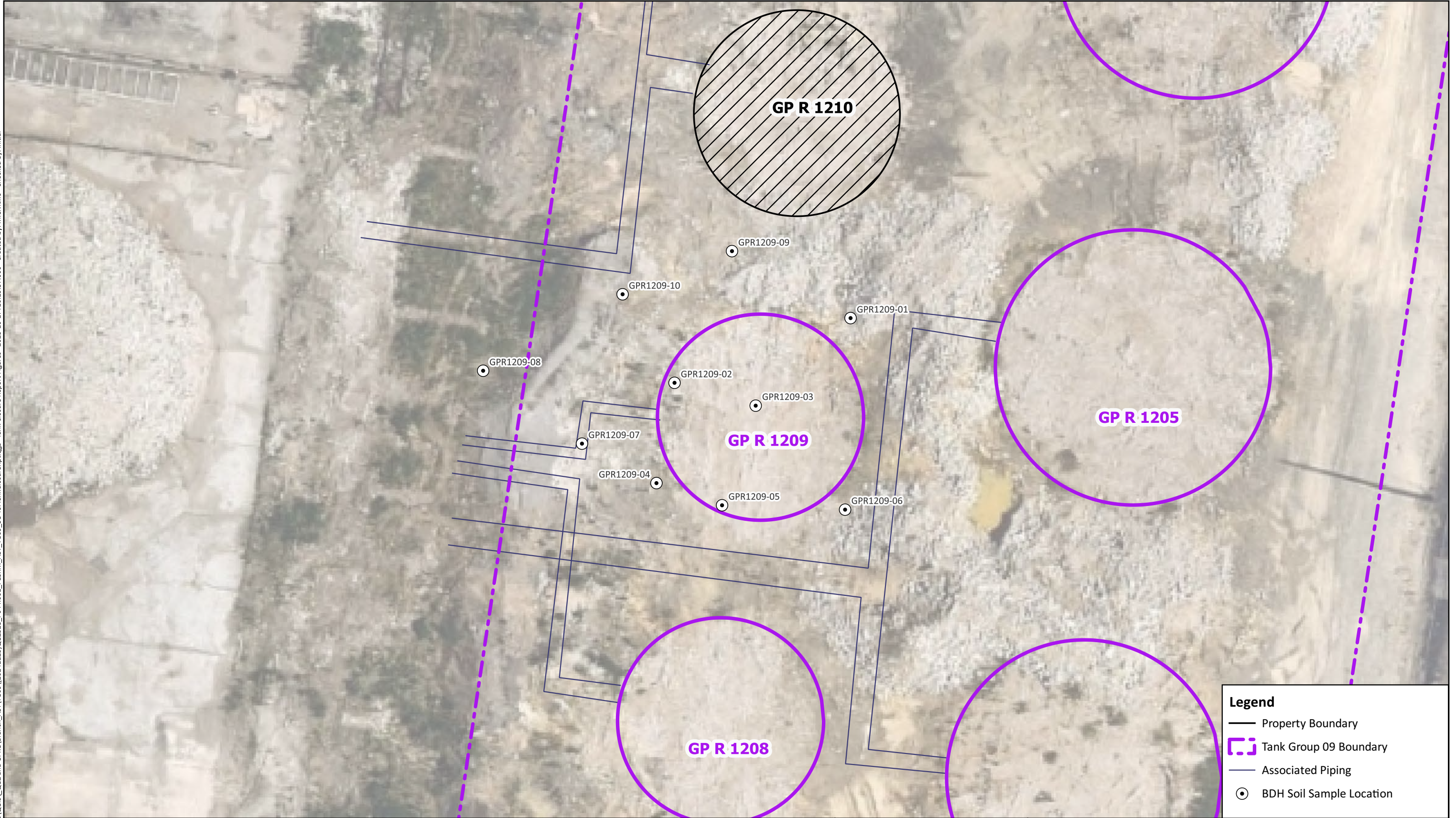
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1209-01	GPR1209-01-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.0018	0.00077	6/4/2024	6/7/2024
GPR1209-02	GPR1209-02-SS01	3.5	4.0	Benzene	SW8260D	Soil	ND	0.00055	6/4/2024	6/7/2024
GPR1209-03	GPR1209-03-SS01	2.5	3.0	Benzene	SW8260D	Soil	0.00092	0.00078	6/4/2024	6/7/2024
GPR1209-04	GPR1209-04-SS01	2.5	3.0	Benzene	SW8260D	Soil	0.013	0.00098	6/4/2024	6/7/2024
GPR1209-05	GPR1209-05-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.0066	0.00072	6/10/2024	6/14/2024
GPR1209-06	GPR1209-06-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.02	0.00092	6/4/2024	6/7/2024
GPR1209-07	GPR1209-07-SS01	3.5	4.0	Benzene	SW8260D	Soil	3.6	0.062	6/4/2024	6/7/2024
GPR1209-08	GPR1209-08-SS01	3.0	3.5	Benzene	SW8260D	Soil	0.0031	0.00097	6/10/2024	6/14/2024
GPR1209-09	GPR1209-09-SS01	3.5	4.0	Benzene	SW8260D	Soil	20	0.25	6/10/2024	6/14/2024
GPR1209-10	GPR1209-10-SS01	3.0	3.5	Benzene	SW8260D	Soil	420	4.4	6/4/2024	6/7/2024

Notes:

SS -- Soil Sample.

N:\GIS\Prj\044.001_PESRM-PES\GIS\OGZ and GPK\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.cfig Tank Closure Report Figures 2023-10-17T10:19:57.000 Created by: M.Civittillo Checked by: initial



Legend

- Property Boundary
- Tank Group 09 Boundary
- Associated Piping
- BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet

SAFETY FIRST	CLIENT: Bellwether District Holdings, LLC	Site Location and Sampling Map 013A (GP R 1209)
	PROJECT: Aboveground Storage Tank Closure	
	PROJECT NUMBER: P044.001.002	

FIGURE 12

Started demo of tank 1209.



Photograph 1:

View of Tank 013A (GP R 1209) at the start of demolition.

ABOVEGROUND STORAGE TANK SYSTEM CLOSURE REPORT FORM

SECTION III. Site Assessment Information

Tank Registration # 014A (complete one sheet for EACH tank system and attach ALL laboratory sheets pertaining to that system)

Facility ID Number 51 - 97890

A. Provide depth of *BEDROCK* and *WATER* IF encountered during excavation or soil boring (write "N/A": if NOT encountered).

Bedrock N/A feet below land surface Water 7 feet below land surface

B. Provide Length of *PIPING* IF piping was closed-in-place (write "N/A" if NOT closed-in-place).

Length of piping N/A feet

C. TANK SYSTEM REMOVED FROM THE GROUND/SITE

1). Was obvious contamination observed while excavating, sampling or removing the tank system?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records -----> Do not complete item C.2. below.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ -----> Complete item C.2. below.

2). Was contamination localized (within three feet of the tank system in every direction with no obvious water contamination)?

YES -----> Remove or remediate contaminated soil -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

NO -----> Continue Interim Remedial Actions -----> See end of this section for options on submission and maintenance of closure records.

D. TANK SYSTEM CLOSED-IN-PLACE OR CHANGED-IN-SERVICE

Was obvious contamination observed during sampling, boring or assessing water depths?

NO -----> Conduct confirmatory sampling -----> See end of this section for options on submission and maintenance of closure records.

YES -----> Report release to DEP within 24 hours -----> Describe contamination observed and likely source(s) (tank, piping, dispenser, spills, overfills): _____

_____ Continue with corrective action -----> See end of this section for options on submission and maintenance of closure records.

E. If the answer to C.1. is "no", the answer to C.2. is "yes" or the answer to D. is "no", confirmatory samples are required. Use the sample/analysis information sheet on page 10 of 11 to provide the information on confirmatory sampling and complete the diagram on Page 11 of 11.

Options for Submission and Maintenance of Closure Site Assessment Records

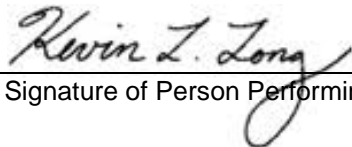
Records of the site assessment must be maintained for at least three years after completion of permanent closure or change-in-service in one of the following ways:

- (a) By the owners and operators who took the tank system out of service;
- (b) By the current owners and operators of the tank system site; or
- (c) By mailing these records to the DEP regional office responsible for the county in which the tank is located if they cannot be maintained at the closed facility.

Where the results of the site assessment indicate that obvious, localized soil contamination was encountered and the analytical results of the confirmatory sampling show levels below the statewide standard/action levels, this closure report form (Sections I, II, and III) or some other acceptable site characterization report must be received by the Department within 180 days of verbally reporting the release.

Where the results of the site assessment indicate that no obvious contamination or obvious, localized contamination was encountered, but the analytical results of the confirmatory sampling show levels above the statewide standard/action levels, or where there is obvious, extensive contamination, Section 245.310(a)(8) of the Corrective Action Process (CAP) regulations requires that details of removal from service be included in the site characterization report. A copy of the completed closure report form should be submitted as part of the site characterization report to satisfy the requirements of Section 245.310(a)(8) of the CAP regulations.

I, Kevin Long , hereby certify, under penalty of law as provided in 18 Pa. C.S. §4904 (relating to unsworn falsification to authorities) that I am the person who performed the site assessment activities associated with the closure of the above referenced storage tank system(s) and that the information provided by me in this closure report (Section III) is true, accurate and complete to the best of my knowledge and belief.



Signature of Person Performing Site Assessment

12/ 09 / 2024

Date

Principal Consultant

Title of Person Performing Site Assessment

Terraphase Engineering Inc.

Name of Company Performing Site Assessment

609-236-8171 x93

Telephone Number of Person Performing Site Assessment

Section III

N - Samples placed in soil sample vial without a preservative present.

Site Location and Sampling Map - Use this page or suitable facsimile to provide a large-scale map of the site where storage tank systems were closed. Scales between 1" = 10 and 1" = 100 feet frequently work well. Include the following information as each applies to the site: facility name and I.D., county, township or borough, property boundaries or area of interest, buildings, roads and streets with names or route numbers, utilities, location and ID number of storage tank systems removed including piping and dispensers, soil stockpile locations, excavations or other locations of product recovery, north arrow, approximate map scale and legend. Also, show depth and location of samples with sample ID numbers cross-referenced to the same ID numbers shown on Page 10 of 11.

Facility Name and ID: 51 - 97890

County:

Township/Borough: See attached Figure

Table 13 - 014A (GP R 1212)

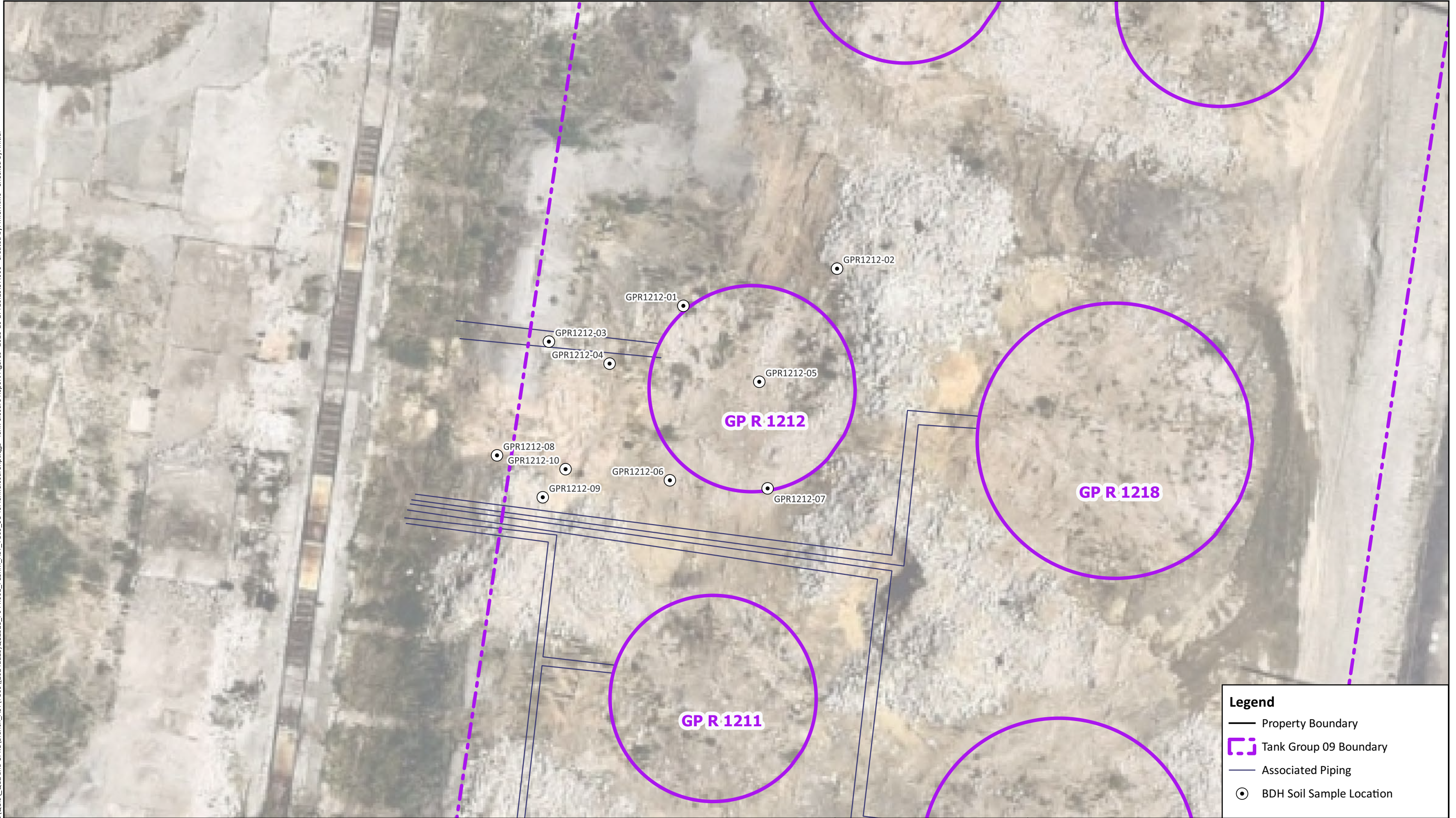
Sample/Analysis Information (Attachment for Section III.)

Location	Sample ID	Start Depth (ft)	End Depth (ft)	Parameter	Analytical Method	Media	Results (mg/kg)	Detection Limit (mg/kg)	Date Sample Taken	Date Sample Analyzed
GPR1212-01	GPR1212-01-SS01	4.5	5.0	Cumene	SW8260D	Soil	6.6	0.17	6/5/2024	6/11/2024
GPR1212-02	GPR1212-02-SS01	2.0	2.5	Cumene	SW8260D	Soil	0.0005	0.0013	6/6/2024	6/11/2024
GPR1212-03	GPR1212-03-SS01	4.5	5.0	Cumene	SW8260D	Soil	6000	80	6/5/2024	6/11/2024
GPR1212-04	GPR1212-04-SS01	4.5	5.0	Cumene	SW8260D	Soil	55000	250	6/5/2024	6/11/2024
GPR1212-05	GPR1212-05-SS01	4.5	5.0	Cumene	SW8260D	Soil	0.16	0.12	6/5/2024	6/12/2024
GPR1212-06	GPR1212-06-SS01	4.0	4.5	Cumene	SW8260D	Soil	3.2	0.1	6/5/2024	6/11/2024
GPR1212-07	GPR1212-07-SS01	3.5	4.0	Cumene	SW8260D	Soil	1500	10	6/5/2024	6/11/2024
GPR1212-08	GPR1212-08-SS01	4.5	5.0	Cumene	SW8260D	Soil	12	0.1	6/5/2024	6/11/2024
GPR1212-09	GPR1212-09-SS01	4.0	4.5	Cumene	SW8260D	Soil	510	7.1	6/5/2024	6/11/2024
GPR1212-10	DUP-58	3.0	3.5	Cumene	SW8260D	Soil	0.0028	0.0013	6/5/2024	6/11/2024
GPR1212-10	GPR1212-10-SS01	3.0	3.5	Cumene	SW8260D	Soil	0.00014	0.001	6/5/2024	6/12/2024

Notes:

SS -- Soil Sample.

N:\GIS\Proj\P044.001_PESRM-PES\GIS\OGZ and GPKS\Branch_AST\YG09\20241125\OGZ328_P044.001_PESRM_AST_IG09_SO-forTankClosureRpt.dwg Tank Closure Report Figures 2023-10-17 10:19:57,000 Created by: M.Civilillo Checked by: initial



Legend

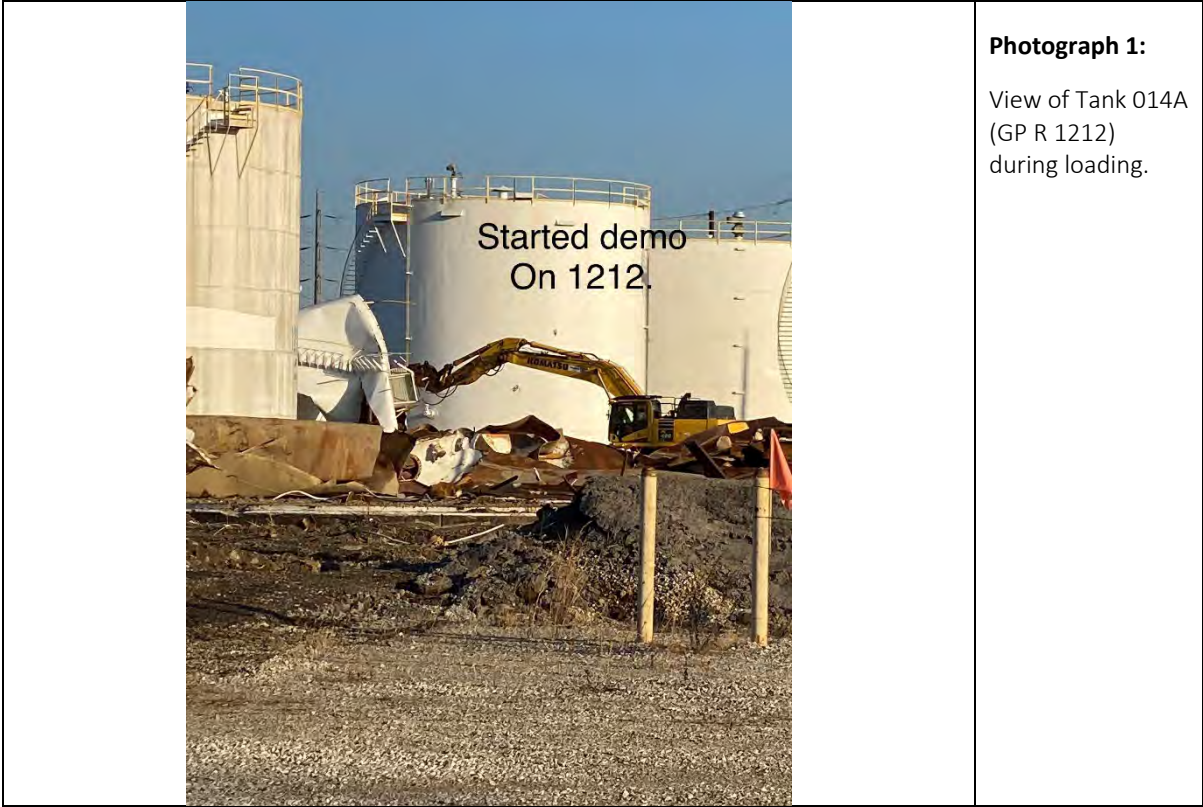
- Property Boundary
- ⌈ Tank Group 09 Boundary
- Associated Piping
- ⊙ BDH Soil Sample Location

Aerial imagery source: Nearmap (June 2024)

0 20 40 60 ft

1 Inch = 20 Feet

<p>SAFETY FIRST</p>	<p>CLIENT: Bellwether District Holdings, LLC</p>	<p>Site Location and Sampling Map 014A (GP R 1212)</p>
	<p>PROJECT: Aboveground Storage Tank Closure</p>	
<p>PROJECT NUMBER: P044.001.002</p>	<p>FIGURE 13</p>	



Photograph 1:

View of Tank 014A
(GP R 1212)
during loading.

Scrap Disposal
Documentation
(Tank Group 09)



PES Project Load Ticket

5120103

Load Ticket: 24770

Date: 1-25-23

Sold to: Allegheny
Location: Benzene Tank 1208
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: UP 520168

Tare Weight: 40800165

Net Weight: 27720165

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039739
Date: 01/25/2023 12:44 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200760.516
Loads: 13298

DT326-1108 - TRACTOR 1108 TRAILER DT326
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

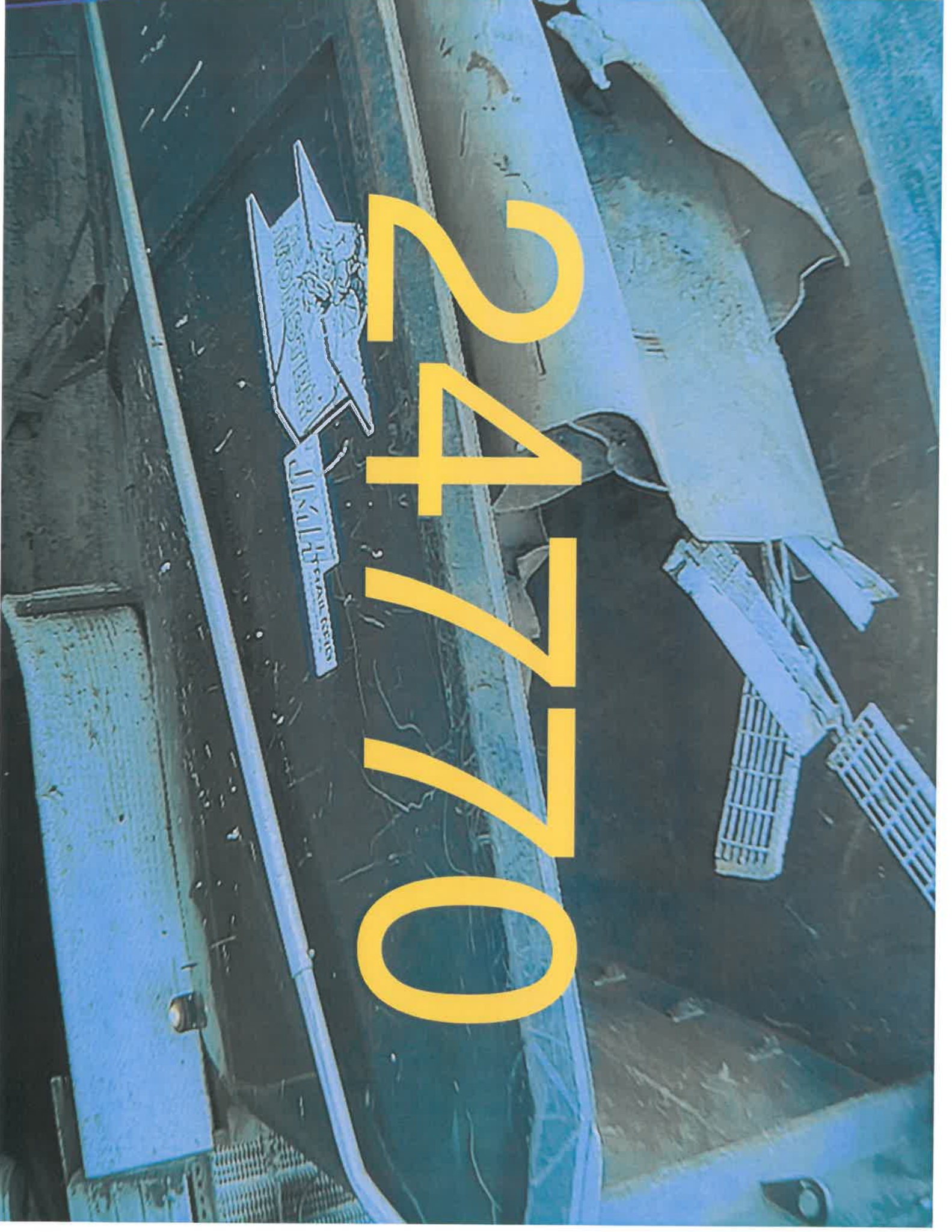
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	13.86 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	68520.00	40800.00	27720.00

24770

UNIVERSITY OF CALIFORNIA
LIBRARY
STAIR CASES



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name Northstar

Address PEB

Truck No. 326 Cust. No. 24770

Gross Weigh-In:
ID#: 326
08:15 am 01/25/23
68640 lb

Tare _____

Net Weigh-Out:
ID#: 326
08:31 am 01/25/23
68640 lb Gross
40940 lb Tare
27700 lb Net

*Van Buren
Toll Road*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49136



PES Project Load Ticket

326.

5/20103

Load Ticket: 24770

Date: 1-25-23

Scrap

Non-Haz / ACM / Special Waste

Sold to: Allegheny
Location: Tank 1208
Carrier: Allegheny

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - * Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 48520lbs

Gross Weight: _____

Tare Weight: 40800lbs

Tare weight: _____

Net Weight: 27720lbs

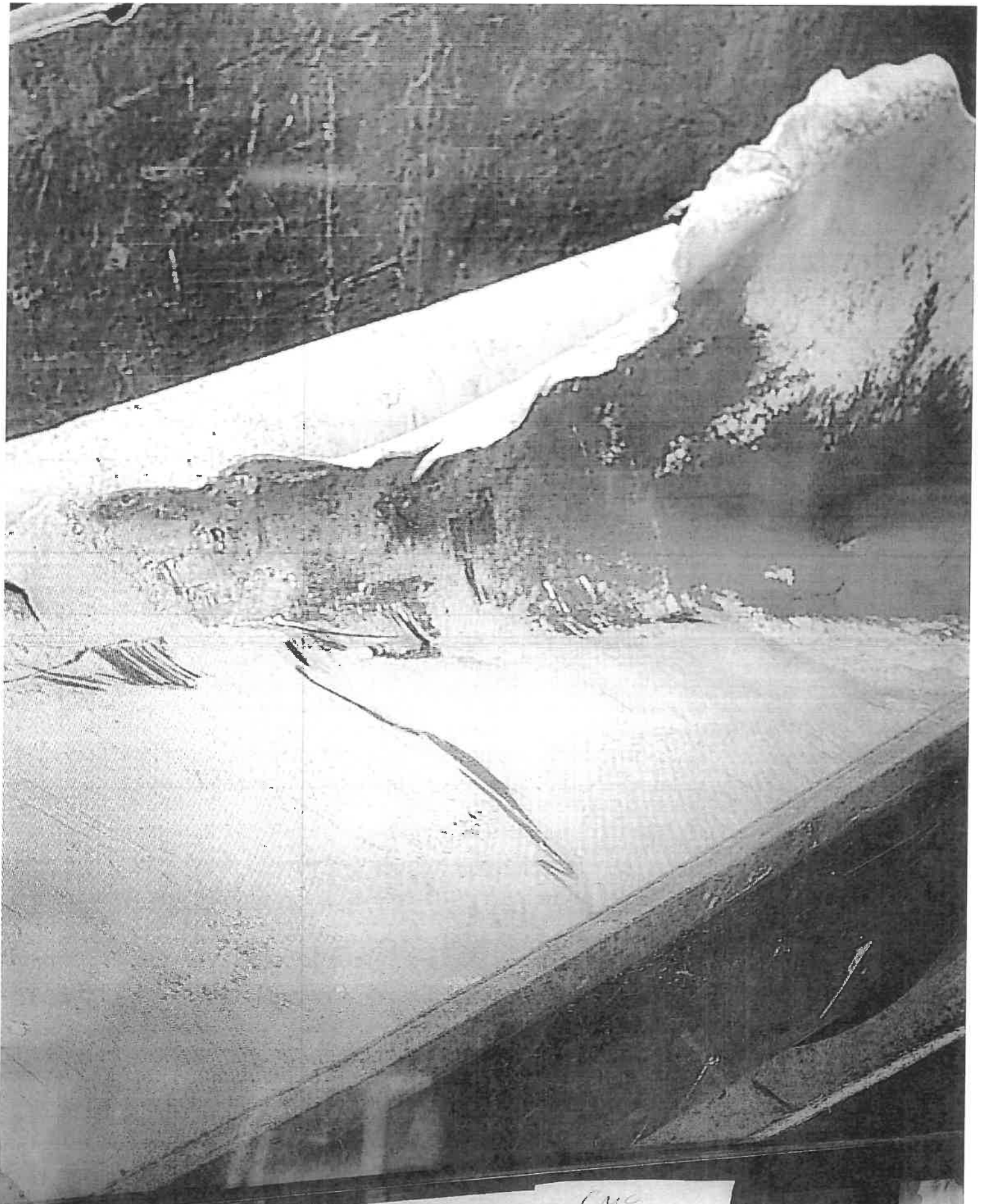
Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]



ON

SIMS

Morris
5

CNC
CAST 1P
14502192618

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039739
Date: 01/25/2023 12:44 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200760.516
Loads: 13298

DT326-1108 - TRACTOR 1108 TRAILER DT326
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	13.86 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	68520.00	40800.00	27720.00



PES Project Load Ticket

5120103

Load Ticket: 24771

Date: 1-25-23

Sold to: Allgheny Scrap
Location: Bentene Tank 1708
Carrier: Allgheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____
 Gross Weight: ~~108570 lbs~~ 137000 lbs
 Tare Weight: ~~40800 lbs~~ 41100 lbs
 Net Weight: 32540 lbs
 NorthStar Rep. Signature: [Signature]
 Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039740
 Date: 01/25/2023 12:54 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200776.786
 Loads: 13299

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145
 Signature: _____

Ticket #: 20039740
 Date: 01/25/2023 12:54 PM
 Phone: () -
 Fax: () -

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	16.27 tn						

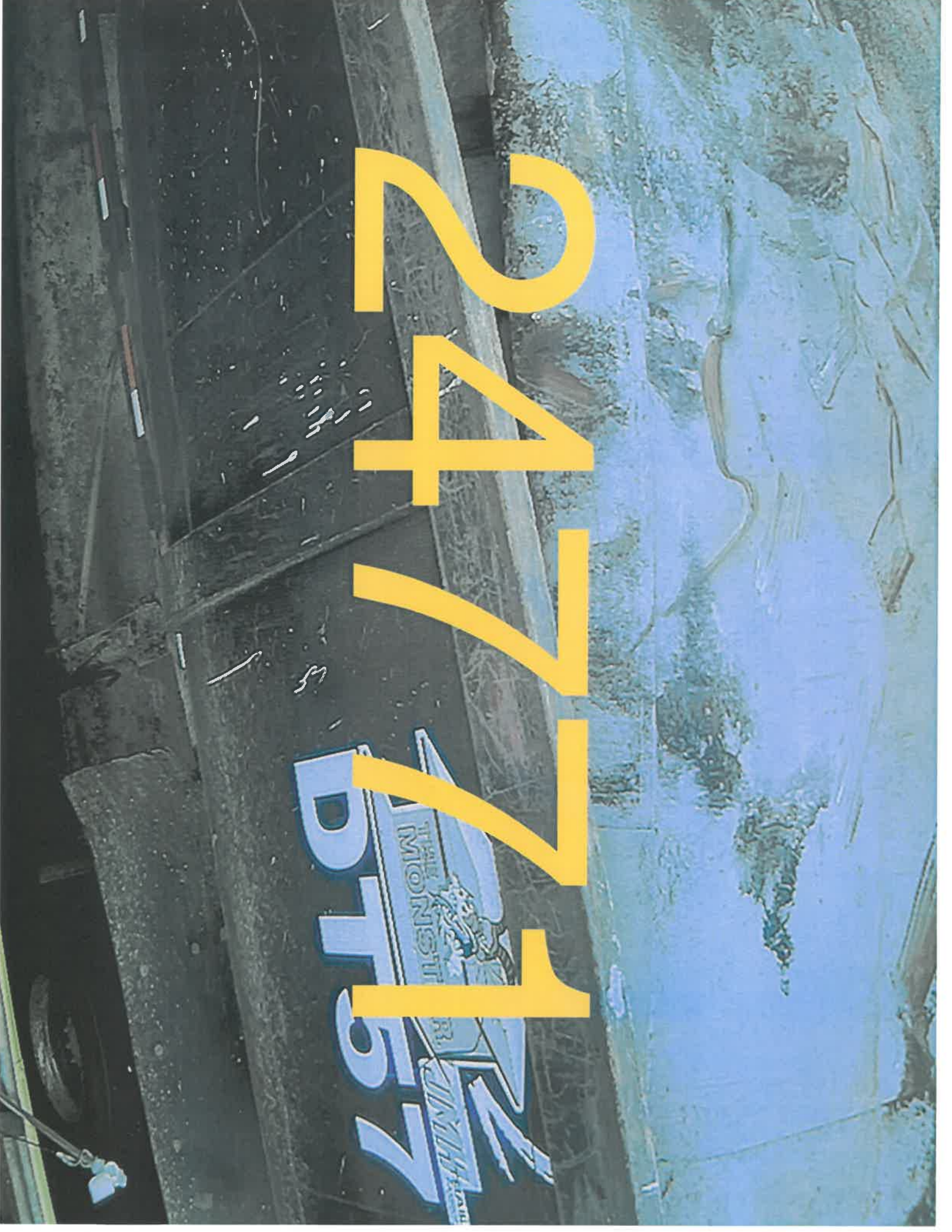
DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Weight Information

Material	Gross	Tare	Net
SCRAP	73700.00	41160.00	32540.00

START

THE MIDWEST
R. JIMMY
DTS7



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name Northstar

Address PES

Truck No. 06 Cust. No. 24771

Gross Weigh-In:
ID#: 06
08:21 am 01/25/23
73200 lb

Tare _____

Net Weigh-Out:
ID#: 06
08:36 am 01/25/23
73200 lb Gross
41640 lb Tare
31560 lb Net

*VAP Bureau
Tank plate*

Haul - Fuel Charge: < _____ >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49157



PES Project Load Ticket

06

5120103

Load Ticket: 24771

Date: 1-25-23

Sold to: Allegheny Scrap
Location: TANK 1208
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 48520 lbs [#] 73700 lbs

Tare Weight: 40800 lbs [#] 41100 lbs

Net Weight: 32540 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039740
 Date: 01/25/2023 12:54 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200776.786
 Loads: 13299

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	16.27 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	73700.00	41160.00	32540.00



PES Project Load Ticket

5120103

Load Ticket: 24772

Date: 1-25-23

Sold to: Allegromny ^{Scrap}
Location: MOIS PB
Carrier: Allegromny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other _____

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Scale Ticket #: _____

Gross Weight: 79320165

Tare Weight: 42420165

Net Weight: 36900165

NorthStar Rep. Signature: _____

Received By: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039741
 Date: 01/25/2023 1:01 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200795.236
 Loads: 13300

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	18.45 tn						

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
 CARLAD - CARLA DAVILA

Weight Information

Material	Gross	Tare	Net
SCRAP	79320.00	42420.00	36900.00

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name Northampton

Address PES

Truck No. 56 Cust. No. 24772

Gross

Weigh-In:
ID#: 56
08:48 am 01/25/23
79580 lb

Tare _____

Net _____

Weigh-Out:
ID#: 56
08:58 am 01/25/23
79580 lb Gross
42220 lb Tare
37360 lb Net

VMP
P-13

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

< 7

Received by _____ **K 49140**



PES Project Load Ticket

5120103

Load Ticket: 24772

Date: 1-25-23

Sold to: Allegheny Scrap
Location: MU13 PB
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 (P+S)
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: _____

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Scale Ticket #: _____

Gross Weight: 79320165

Tare Weight: 42420165

Net Weight: 36900165

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039741
Date: 01/25/2023 1:01 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200795.236
Loads: 13300

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	18.45 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	79320.00	42420.00	36900.00



PES Project Load Ticket

5120103

Load Ticket: 24773

Date: 1-25-23

Sold to: Allegromina **Scrap**
Location: TANK 1208
Carrier: Allegromina

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Scale Ticket #: _____
Gross Weight: 57950115
Tare Weight: 39420115
Net Weight: 18500115

NorthStar Rep. Signature: _____
Received By: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039742
Date: 01/25/2023 1:13 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200804.516
Loads: 13301

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

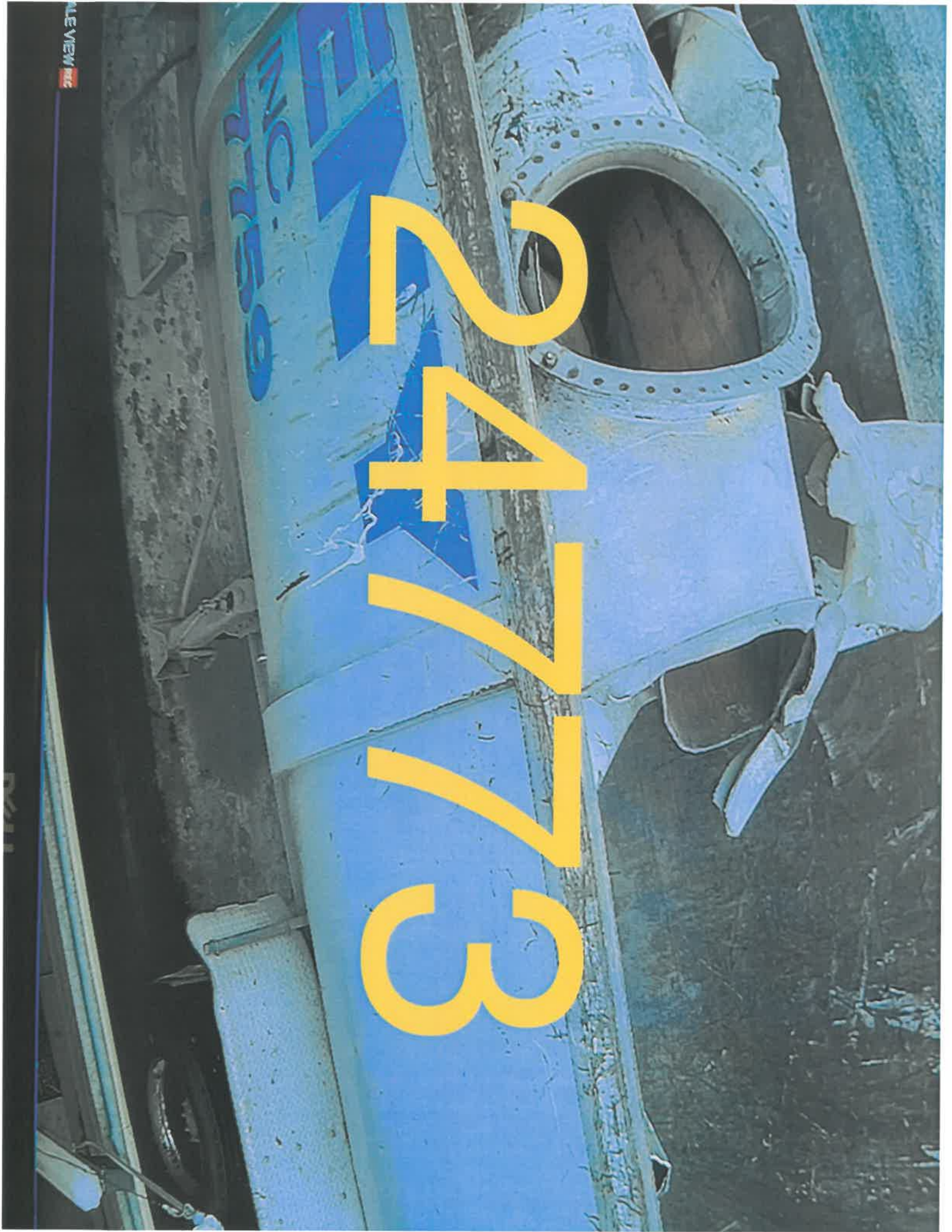
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	9.28 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	57980.00	39420.00	18560.00

2473



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1 25 23

Name Northstar

Address PES

Truck No. 07 Cust. No. 24773

Gross Weigh-In:
ID#: 07

Tare _____
08:53 am 01/25/23
57900 lb

Net _____
Weigh-Out:
ID#: 07

09:06 am 01/25/23
57900 lb Gross
39320 lb Tare
18580 lb Net

*VAD Byming
Tank Plot*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____
K 49142



PES Project Load Ticket

5120103

Load Ticket: 24773

Date: 1-25-23

Sold to: Allegheny **Scrap**
Location: Tank 1208
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

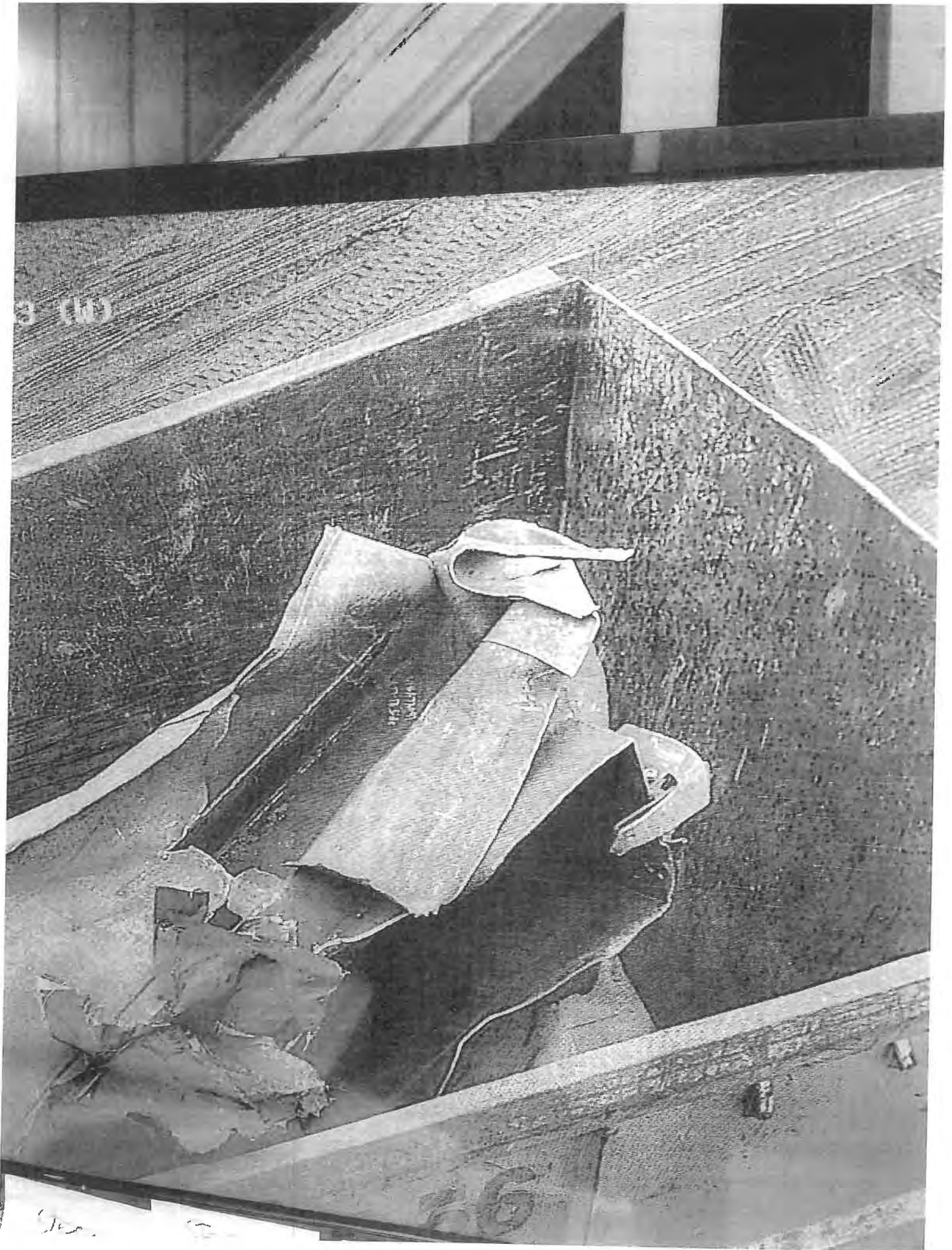
Gross Weight: 57980 lbs

Tare Weight: 39420 lbs

Net Weight: 18560 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039742
Date: 01/25/2023 1:13 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200804.516
Loads: 13301

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	9.28 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	57980.00	39420.00	18560.00



PES Project Load Ticket

24774

5120103

Load Ticket: _____

Date: 1-25-23

Sold to: Allegheny **Scrap**
 Location: Benzene Tanks
 Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 47800 lbs

Tare Weight: 40800 lbs

Net Weight: 27000 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039743
 Date: 01/25/2023 2:44 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200818.016
 Loads: 13302

DT326-1108 - TRACTOR 1108 TRAILER DT326
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	13.5 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	67800.00	40800.00	27000.00

2774



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name Northstar

Address _____

Truck No. 327 Cust. No. 24774

Gross _____

Weigh-In:
ID#: 327
10:13 am 01/25/23
67620 lb

Tare _____

Net _____

Weigh-Out:
ID#: 327
10:25 am 01/25/23
67620 lb Gross
41040 lb Tare
26580 lb Net

*VMP
TANK plate*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49154



PES Project Load Ticket

5120103

24774

Load Ticket: _____

Date: 1-25-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 47800 lbs

Tare Weight: 40800 lbs

Net Weight: 27000 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039743

Date: 01/25/2023 2:44 PM

Phone: () -

Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200818.016
Loads: 13302

DT326-1108 - TRACTOR 1108 TRAILER DT326
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	13.5 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	67800.00	40800.00	27000.00



PES Project Load Ticket

5/20/03

Load Ticket: 24775

Date: 1-25-03

Sold to: Allegany **Scrap**
Location: BENTON TANKS
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Scale Ticket #: _____

Gross Weight: 100540 lbs

Tare Weight: 41100 lbs

Net Weight: 25380 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039744
 Date: 01/25/2023 2:54 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200830.706
 Loads: 13303

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.69 tn						

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Weight Information

Material	Gross	Tare	Net
SCRAP	66540.00	41160.00	25380.00

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1/25/23

Name NORTON

Address PES

Truck No. 06 Cust. No. 24775

Gross _____

Tare _____

Net _____

Weigh-In:
ID#: 06
10:18 am 01/25/23
66020 lb

Weigh-Out:
ID#: 06
10:35 am 01/25/23
66020 lb Gross
41460 lb Tare
24560 lb Net

*VAP BURNO
TANK plate*

Haul - Fuel Charge: 4 7

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by K 49156



PES Project Load Ticket

5/20/03

Load Ticket: 24775

Date: 5-25-03

Scrap

Sold to: Allegheny
Location: Benture TANKS
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Disposal Facility: _____

Condition

Carrier: _____

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

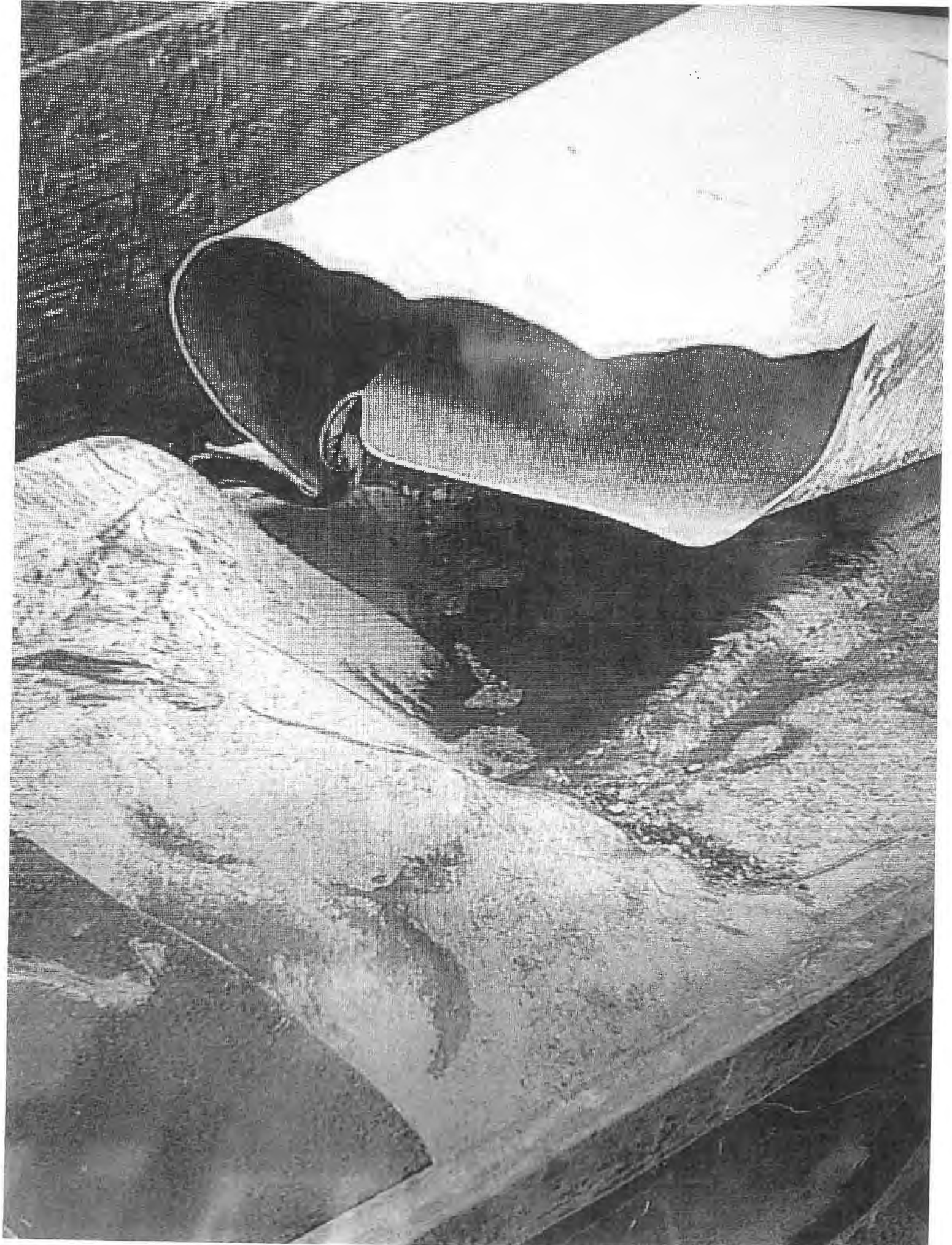
Gross Weight: 66540 lbs

Tare Weight: 41100 lbs

Net Weight: 25380 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039744

Date: 01/25/2023 2:54 PM

Phone: () -

Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200830.706
Loads: 13303

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.69 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	66540.00	41160.00	25380.00



PES Project Load Ticket

5120103

Load Ticket: 24776

Date: 1-25-23

Scrap

Non-Haz / ACM / Special Waste

Sold to: Allegany
Location: Benzene Tanks
Carrier: Allegany

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Disposal Facility: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 46920 lbs

Gross Weight: _____

Tare Weight: 42420 lbs

Tare weight: _____

Net Weight: 24500 lbs

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

NorthStar Rep. Signature: _____

Received By: _____

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039745
Date: 01/25/2023 3:11 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200842.956
Loads: 13304

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

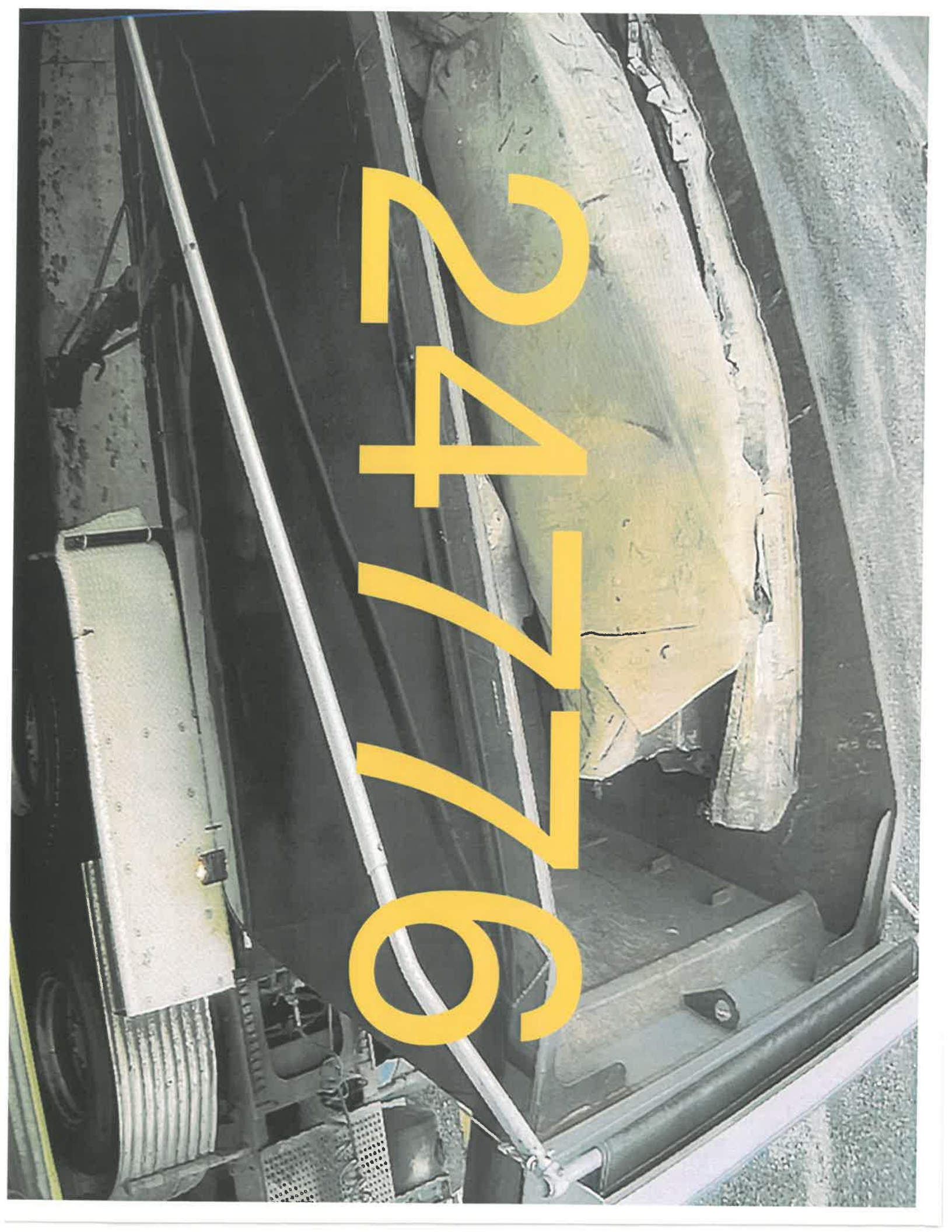
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.25 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	66920.00	42420.00	24500.00

2476



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name NORTHSTAR

Address PES

Truck No. 56 Cust. No. 24776

Gross Weigh-In:
ID#: 56
10:38 am 01/25/23
66500 lb

Tare _____

Net Weigh-Out:
ID#: 56
10:49 am 01/25/23
66500 lb Gross
42500 lb Tare
24000 lb Net

Net _____

*Van Buren
Tank plate*

< >

Haul - Fuel Charge: _____
NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____
K 49159



PES Project Load Ticket

5120103

Load Ticket: 24776

Date: 1-25-23

Scrap

Sold to: Allegheny
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 66920 lbs

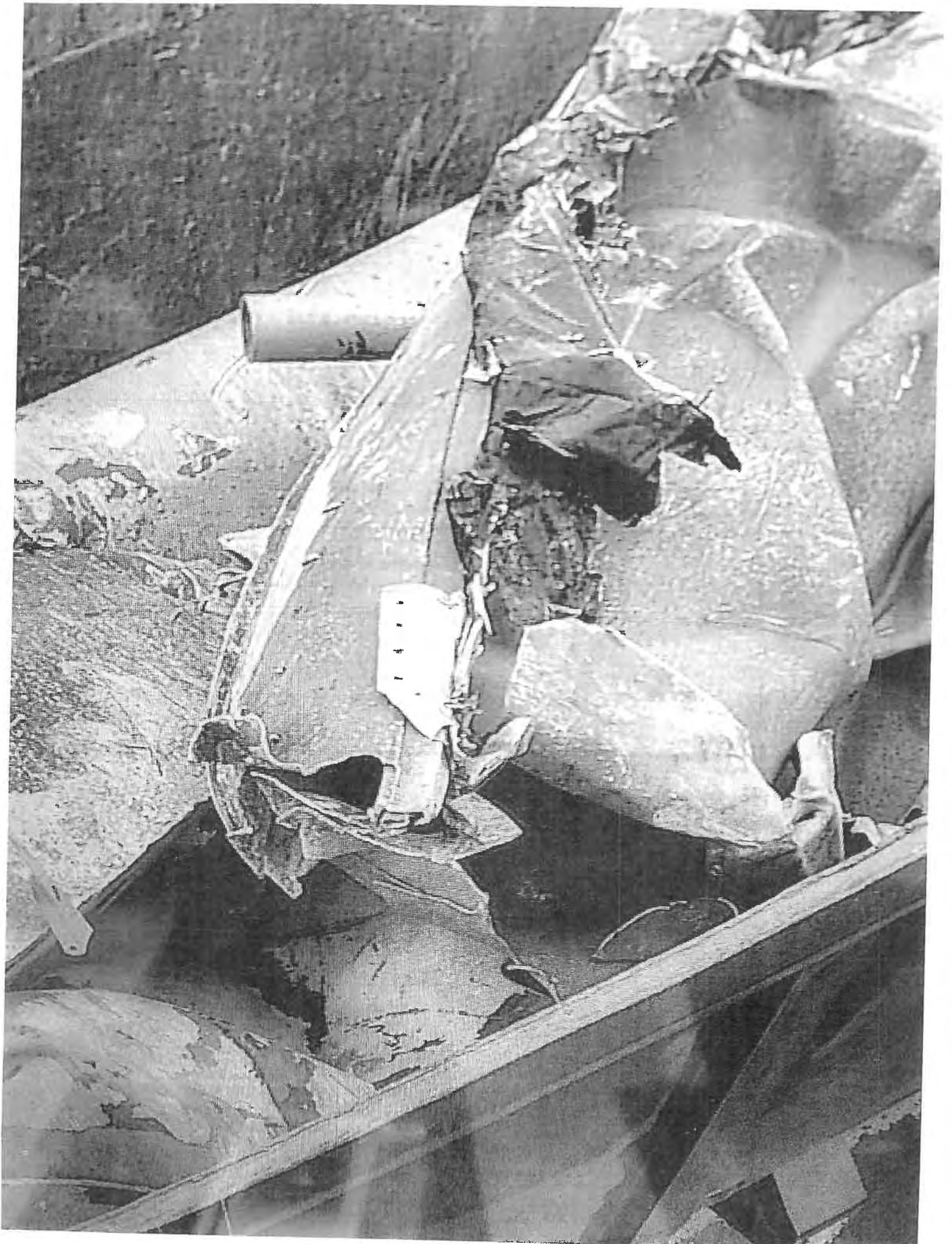
Tare Weight: 42420 lbs

Net Weight: 24500 lbs

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039745
Date: 01/25/2023 3:11 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200842.956
Loads: 13304

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.25 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	66920.00	42420.00	24500.00



PES Project Load Ticket

5120103

Load Ticket: 24777

Date: 1-25-23

Sold to: Allegany **Scrap**
Location: Benzene Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 74100lbs

Tare Weight: 39420lbs

Net Weight: 34740lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039746
 Date: 01/25/2023 3:26 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200860.326
 Loads: 13305

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
 CARLAD - CARLA DAVILA

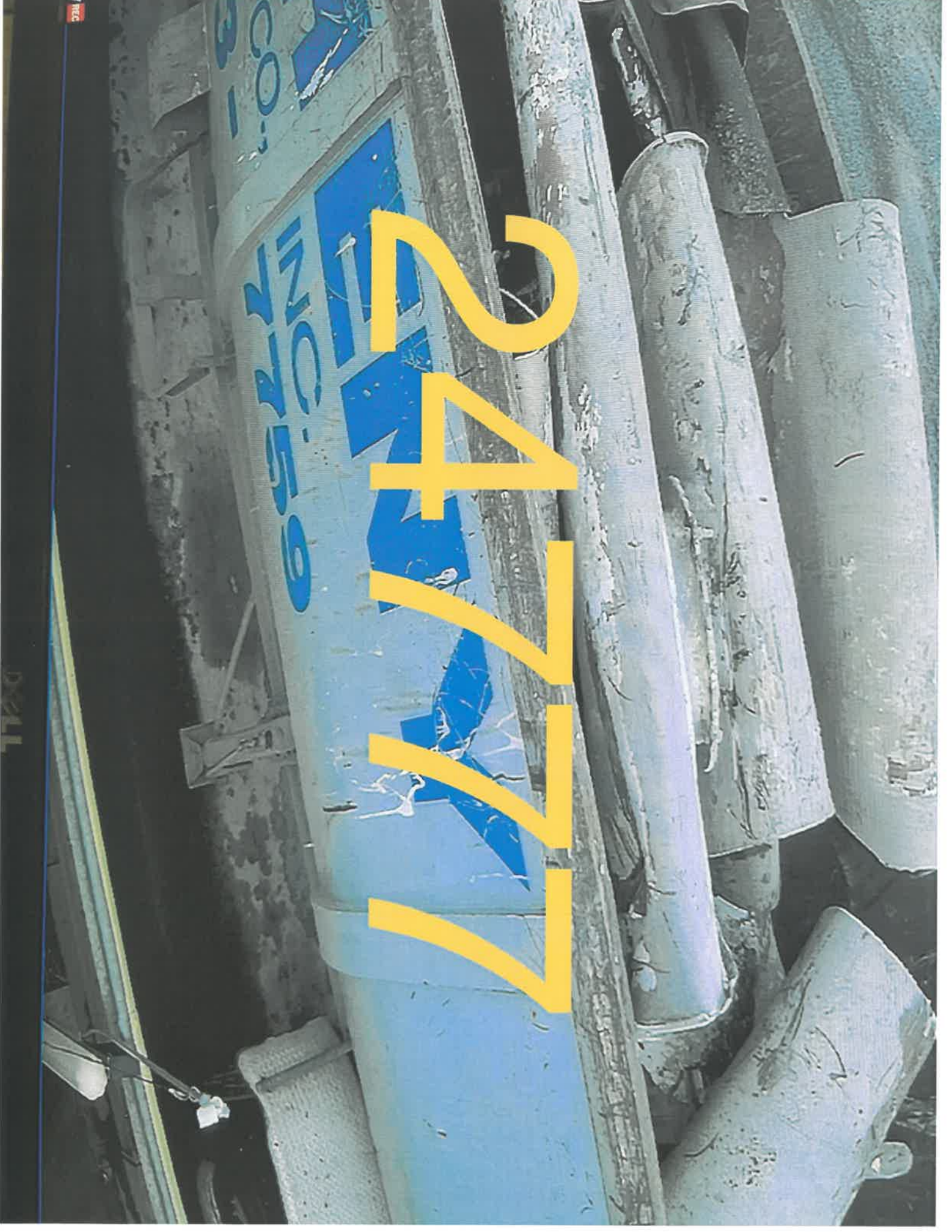
Remarks: SCRAP REMOVAL

Signature: _____
 PHILADELPHIA PA 19145

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	17.37 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	74160.00	39420.00	34740.00



WAZ

WAZ
CORPORATION

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN

IRON & STEEL SCRAP

Date 1-25-23

Name Northstar

Address PFS

Truck No. 07 Cust. No. 2477

Gross _____

Weigh-In:
ID#: 07
10:55 am 01/25/23
73620 lb

Tare _____

Net _____

Weigh-Out:
ID#: 07
11:07 am 01/25/23
73620 lb Gross
39540 lb Tare
34080 lb Net

*Van Buren
Took place*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49162



PES Project Load Ticket

5120103

Load Ticket: 24777

Date: 1-25-23

Sold to: Allegheny ^{Scrap}
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed . . .
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 74100 lbs

Tare Weight: 39420 lbs

Net Weight: 34740 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039746
Date: 01/25/2023 3:26 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200860.326
Loads: 13305

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	17.37 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	74160.00	39420.00	34740.00



PES Project Load Ticket

5120103

Load Ticket: 24778

Date: 1-25-23

Sold to: Allegany **Scrap**
Location: Benzene Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 105680 lbs

Tare Weight: 41120 lbs

Net Weight: 24520 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039747

Date: 01/25/2023 4:31 PM

Phone: () -

Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200872.586
Loads: 13306

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

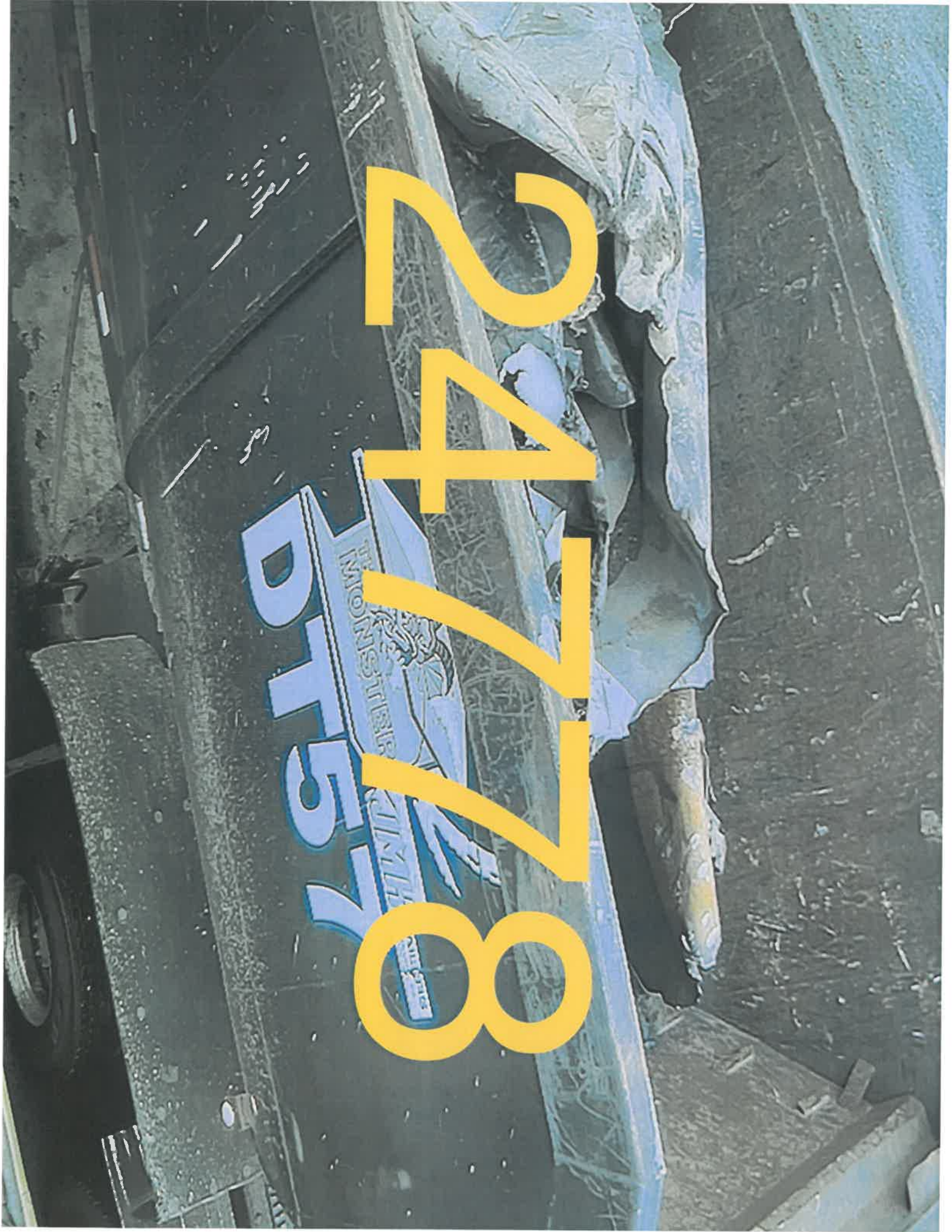
HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA 19145
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.26 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	65680.00	41160.00	24520.00



2

4

7

8

DTPS
MONSTER
SINCE 1988

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name Northston

Address PES

Truck No. 06 Cust. No. 24778

Gross Weigh-In:
ID#: 06
11:59 am 01/25/23
65580 lb

Tare _____

Net _____

Weigh-Out:
ID#: 06
12:16 pm 01/25/23
65580 lb Gross
41380 lb Tare
24200 lb Net

*Van Buren
Tank plot*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49180



PES Project Load Ticket

5120103

Load Ticket: 24778

Date: 1-25-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

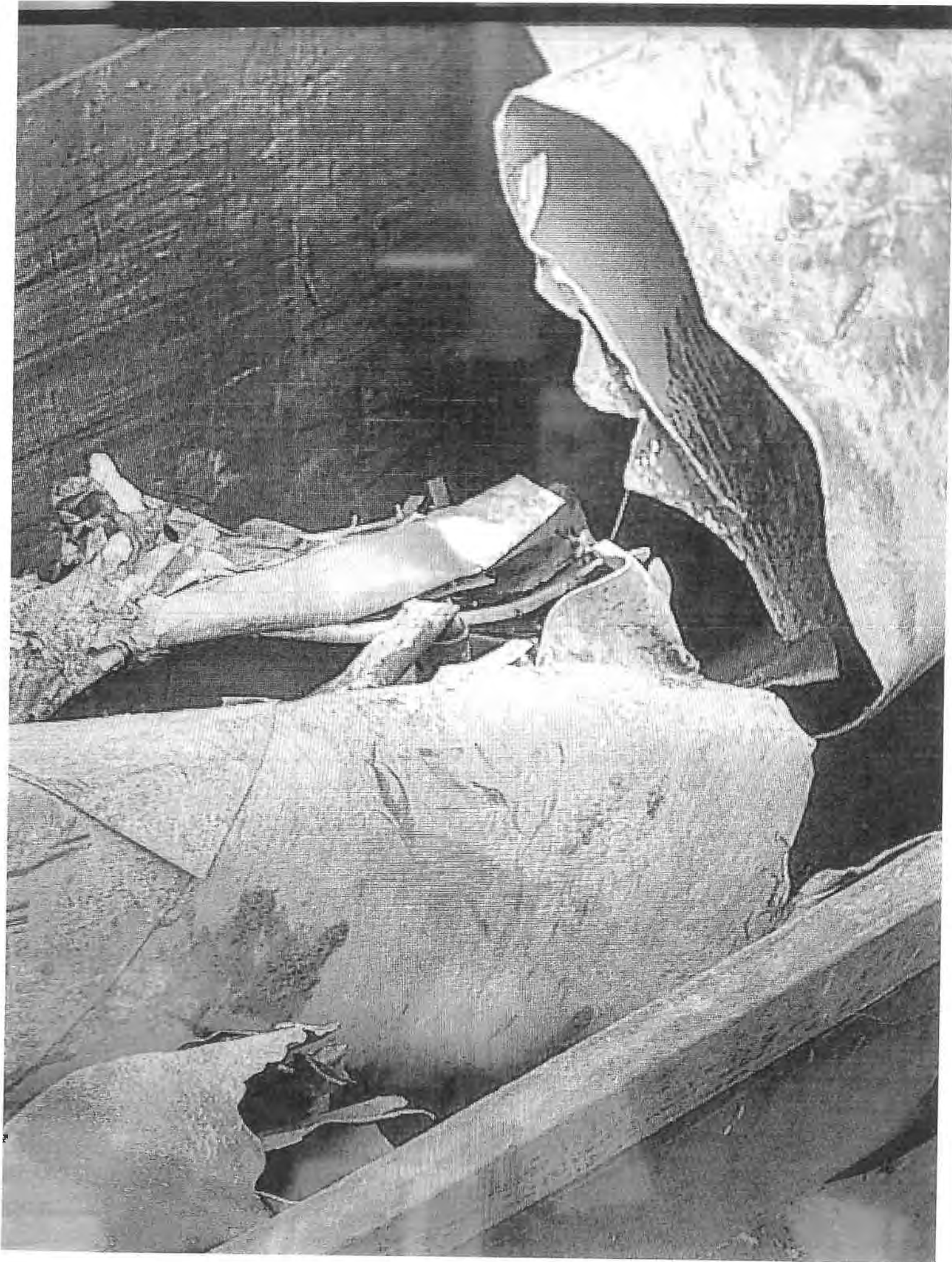
Gross Weight: 05080165

Tare Weight: 41120165

Net Weight: 24520165

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039747
Date: 01/25/2023 4:31 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200872.586
Loads: 13306

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.26 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	65680.00	41160.00	24520.00



PES Project Load Ticket

5120103

Load Ticket: 24779

Date: 1-25-23

Sold to: Allegany **Scrap**
Location: Bozone Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 45900 lbs

Tare Weight: 40800 lbs

Net Weight: 25100 lbs

NorthStar Rep. Signature: _____

Received By: _____

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039748
Date: 01/25/2023 4:47 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200885.136
Loads: 13307

DT326-1108 - TRACTOR 1108 TRAILER DT326
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

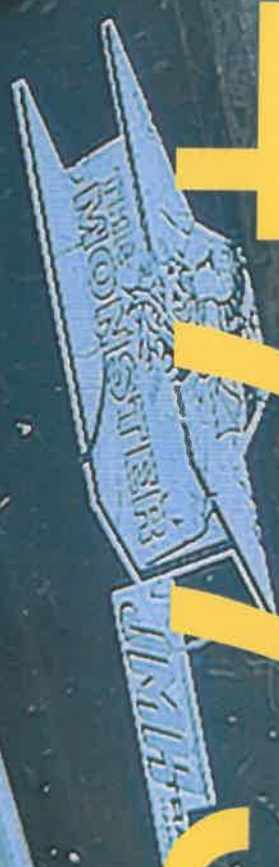
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.55 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	65900.00	40800.00	25100.00

24779



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name Northston

Address PES

Truck No. 326 Cust. No. 24779

Gross

Tare _____

Net _____

Weigh-In:
ID#: 326
12:15 PM 01/25/23
65800 lb

Weigh-Out:
ID#: 326
12:30 PM 01/25/23
65800 lb Gross
41220 lb Tare
24580 lb Net

*UND BURNT
TRAIL PLOR*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49175



PES Project Load Ticket

5/20/03

Load Ticket: 24779

Date: 1-25-23

Scrap

Sold to: Allegheny
Location: Benzerne Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Scale Ticket #: _____

Gross Weight: 05900 lbs

Tare Weight: 40800 lbs

Net Weight: 25100 lbs

NorthStar Rep. Signature: _____

Received By: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039748
Date: 01/25/2023 4:47 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200885.136
Loads: 13307

DT326-1108 - TRACTOR 1108 TRAILER DT326
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.55 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	65900.00	40800.00	25100.00



PES Project Load Ticket

5120103

Load Ticket: 24780

Date: 1-25-13

Sold to: Allegany ^{Scrap}
Location: Benzene Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 62690 lbs

Tare Weight: 42420 lbs

Net Weight: 20220 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039749
Date: 01/25/2023 4:59 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200895.246
Loads: 13308

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

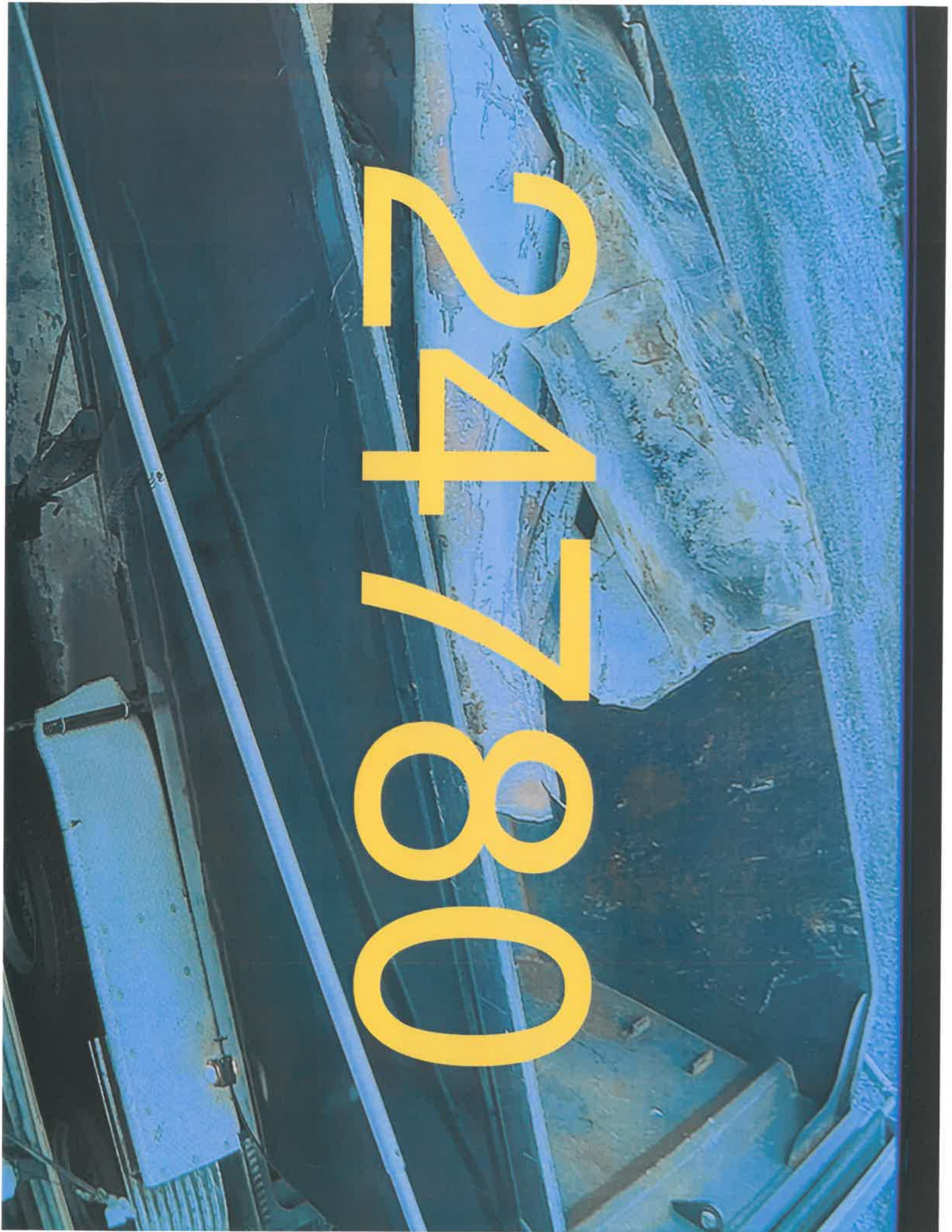
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	10.11 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	62640.00	42420.00	20220.00

24780





PES Project Load Ticket

5120103

Load Ticket: 24780

Date: 1-25-23

Sold to: Allegheny ^{Scrap}
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 102140 lbs

Gross Weight: _____

Tare Weight: 42420 lbs

Tare weight: _____

Net Weight: 20220 lbs

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039749
Date: 01/25/2023 4:59 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200895.246
Loads: 13308

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	10.11 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	62640.00	42420.00	20220.00



PES Project Load Ticket

5120103

Load Ticket: 24781

Date: 1-25-23

Sold to: Allegheny **Scrap**
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Scale Ticket #: _____

Gross Weight: 44100115

Tare Weight: 39420115

Net Weight: 24740115

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039750
Date: 01/25/2023 5:12 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200907.616
Loads: 13309

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

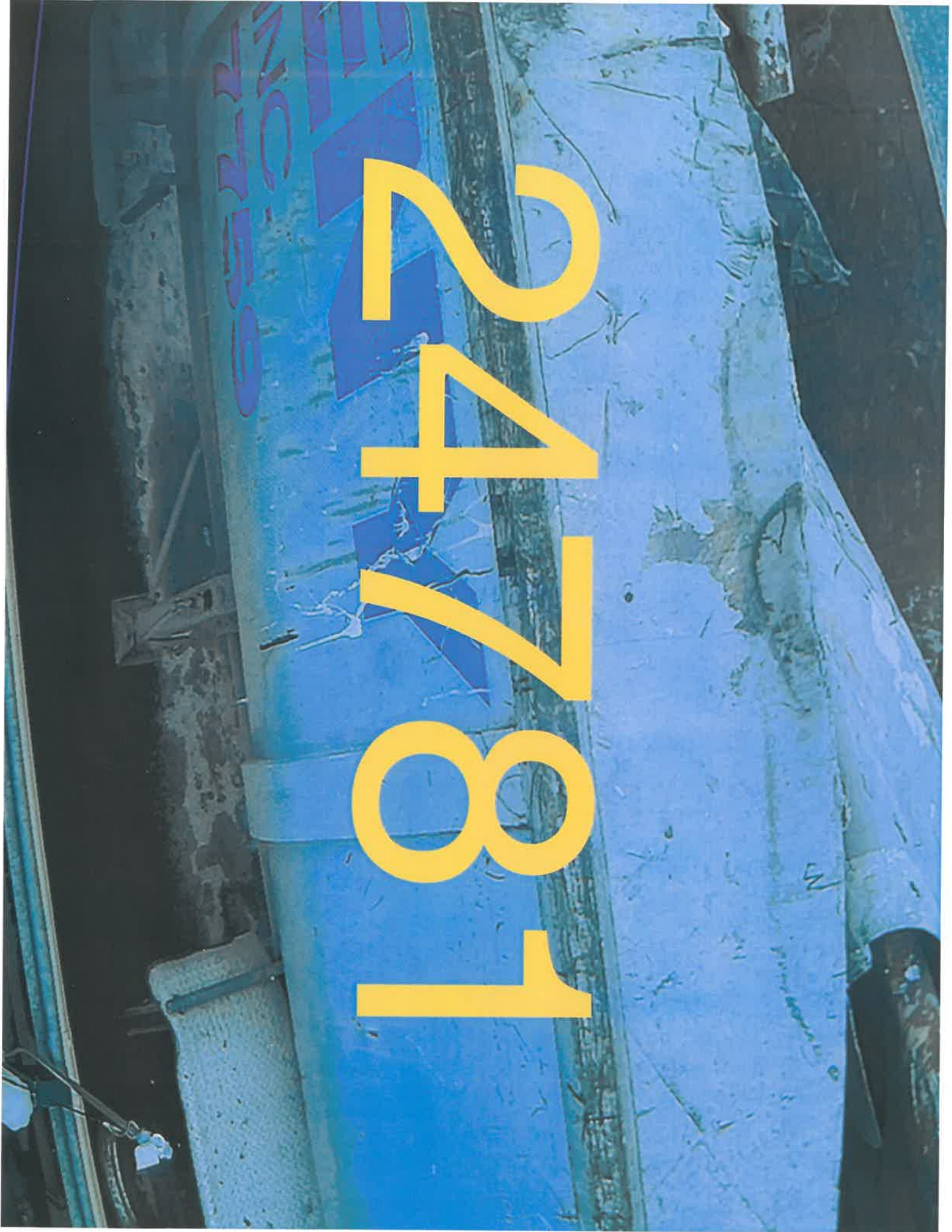
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.37 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	64160.00	39420.00	24740.00

24781

OS-2011



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name Northston

Address PES

Truck No. 07 Cust. No. 24781

Gross Weigh-In:
ID#: 07
12:50 pm 01/25/23
64240 lb

Tare _____

Net Weigh-Out:
ID#: 07
01:16 pm 01/25/23
64240 lb Gross
39980 lb Tare
24260 lb Net

*VMP Burning
Tank plate*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49182



PES Project Load Ticket

5120103

Load Ticket: 24781

Date: 1-25-23

Sold to: Allegheny ^{Scrap}
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Scale Info

Scale Ticket #: _____

Gross Weight: 44100lbs

Tare Weight: 39420lbs

Net Weight: 24740lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039750

Date: 01/25/2023 5:12 PM

Phone: () -

Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200907.616
Loads: 13309

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.37 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	64160.00	39420.00	24740.00



PES Project Load Ticket

5120103

Load Ticket: 24782

Date: 1-25-23

Sold to: Allegany
Location: Benzene Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 73920lbs

Tare Weight: 41100lbs

Net Weight: 32700lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039751
 Date: 01/25/2023 6:15 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200923.996
 Loads: 13310

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	16.38 tn						

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Weight Information

Material	Gross	Tare	Net
SCRAP	73920.00	41160.00	32760.00

DTTS
THE MONSTER
TRUCK

2781

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1/25/23

Name Northston

Address PES

Truck No. 06 Cust. No. 24752

Gross _____

Weigh-In:
ID#: 06
01:43 PM 01/25/23
73740 lb

Tare _____

Net _____

Weigh-Out:
ID#: 06
02:03 PM 01/25/23
73740 lb Gross
41340 lb Tare
32400 lb Net

*UND BURN
TANK PLATE*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49194



PES Project Load Ticket

5120103

Load Ticket: 24782

Date: 1-25-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 73900 lbs

Tare Weight: 41100 lbs

Net Weight: 32700 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



STATION

11

Case

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039751
Date: 01/25/2023 6:15 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200923.996
Loads: 13310

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	16.38 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	73920.00	41160.00	32760.00



PES Project Load Ticket

5120103

Load Ticket: 24783

Date: 1-25-23

Scrap

Non-Haz / ACM / Special Waste

Sold to: Allegheny
Location: Benzene Tanks
Carrier: Allegheny

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 44480 lbs

Tare Weight: 40800 lbs

Net Weight: 23880 lbs

NorthStar Rep. Signature: _____

NorthStar Rep. Signature: _____

Received By: _____

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039752
 Date: 01/25/2023 6:38 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 200935.936
 Loads: 13311

DT326-1108 - TRACTOR 1108 TRAILER DT326
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

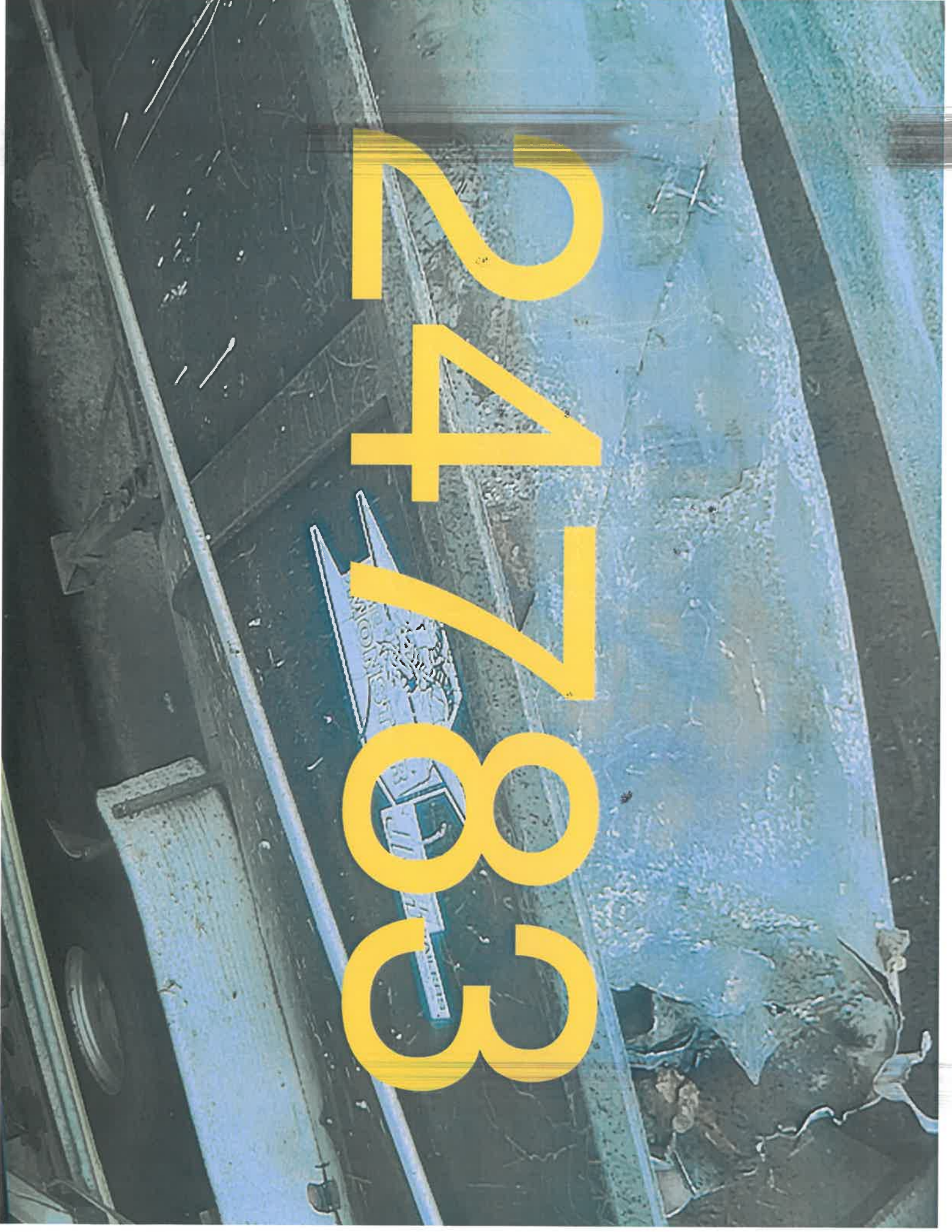
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.94 tn						

TRACTOR 1108 TRAILER DT326
 CARLA DAVILA

Weight Information

Material	Gross	Tare	Net
SCRAP	64680.00	40800.00	23880.00

24703



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name NORTHSTAR

Address PES

Truck No. 326 Cust. No. 24783

Gross Weigh-In:
ID#: 326
02:07 PM 01/25/23
64500 lb

Tare _____

Net Weigh-Out:
ID#: 326
02:25 PM 01/25/23
64500 lb Gross
41300 lb Tare
23200 lb Net

*Van Buren
Tank plate*

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49197



PES Project Load Ticket

5120103

Load Ticket: 24783

Date: 1-25-23

Scrap

Sold to: Allegheny
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 44180 lbs

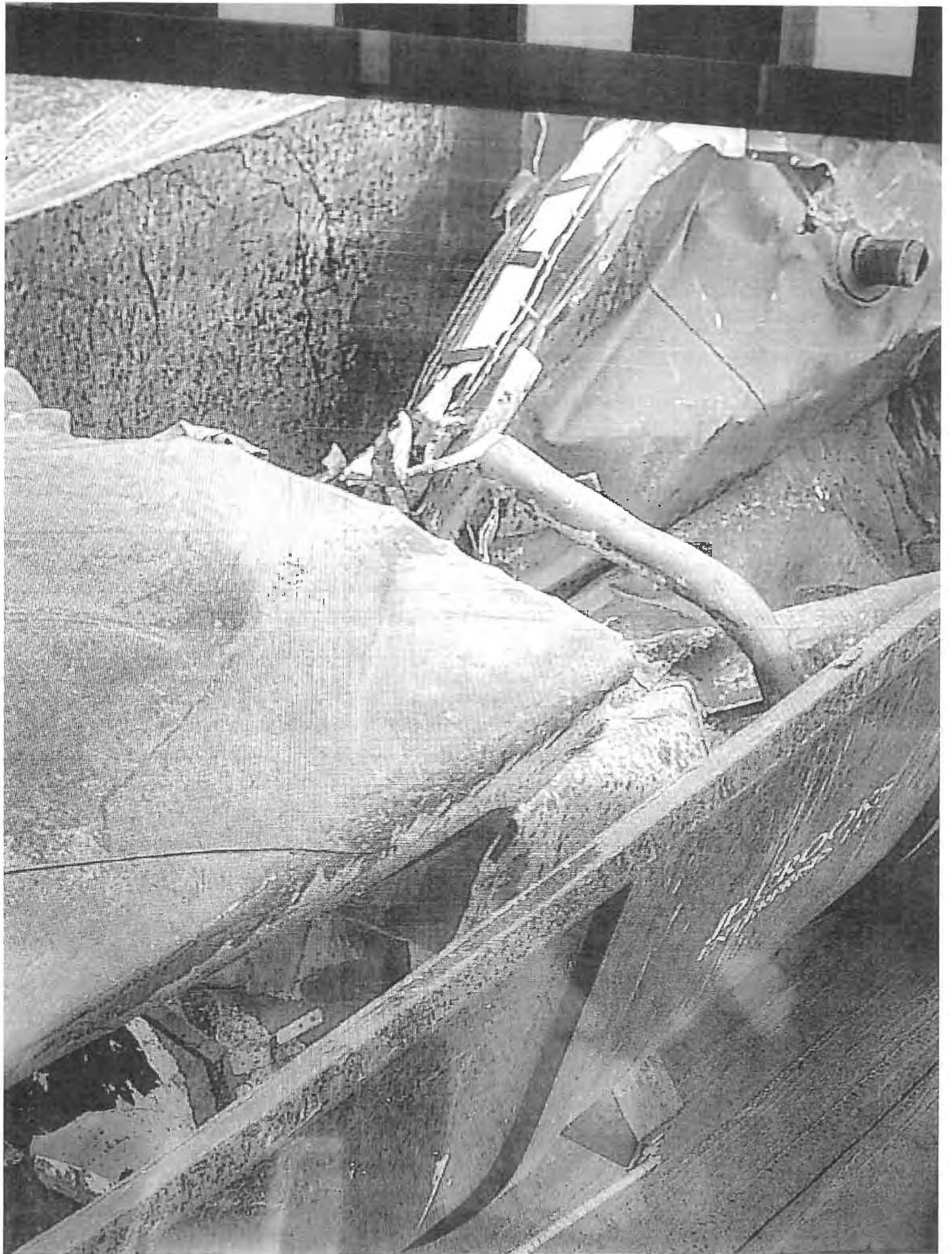
Tare Weight: 40800 lbs

Net Weight: 23880 lbs

NorthStar Rep. Signature: _____

NorthStar Rep. Signature: _____

Received By: _____



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039752
Date: 01/25/2023 6:38 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200935.936
Loads: 13311

DT326-1108 - TRACTOR 1108 TRAILER DT326
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.94 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	64680.00	40800.00	23880.00



PES Project Load Ticket

5120163

Load Ticket: 24784

Date: 1-25-23

Scrap

Sold to: Millegony
Location: Petroleum Tanks
Carrier: Millegony

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 62120165

Tare Weight: 39420165

Net Weight: 22700165

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039753
Date: 01/25/2023 7:18 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200947.286
Loads: 13312

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.35 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	62120.00	39420.00	22700.00

PALE VIEW

W
R
O
R
S
O

201704

01-25-2023 14:18

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-25-23

Name NORTHSTON

Address PES

Truck No. 07 Cust. No. 24784

Gross _____

Tare _____

Net _____

Weigh-In:
ID#: 07
02:48 pm 01/25/23
62300 lb

Weigh-Out:
ID#: 07
03:01 pm 01/25/23
62300 lb Gross
40200 lb Tare
22100 lb Net

*Vap BURNING
TANK plate*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49201



PES Project Load Ticket

5120103

Load Ticket: 24784

Date: 1-25-23

Scrap

Sold to: Allegheny
Location: Behrens Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

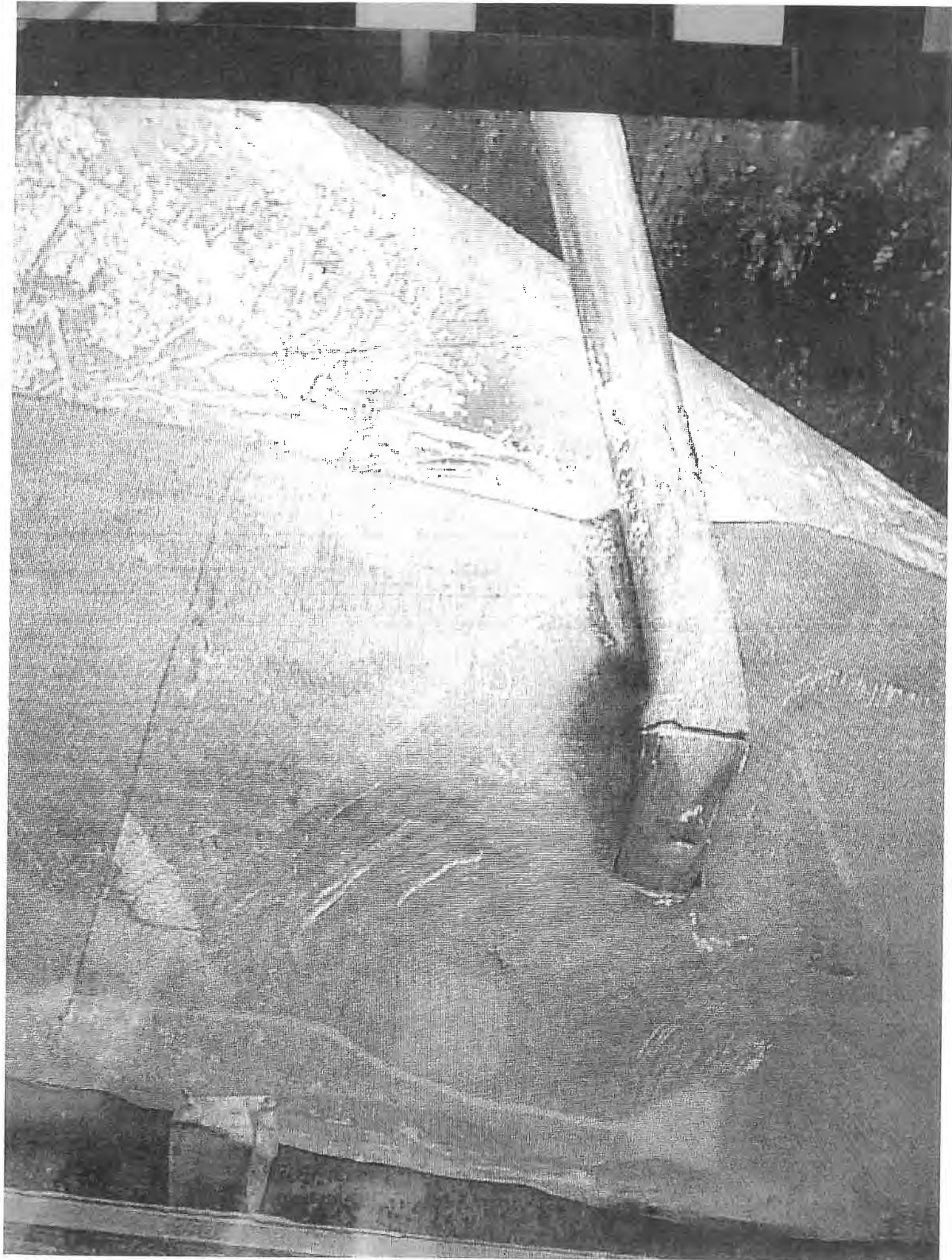
Gross Weight: 62170 lbs

Tare Weight: 39420 lbs

Net Weight: 22700 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039753
Date: 01/25/2023 7:18 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 200947.286
Loads: 13312

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material *	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.35 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	62120.00	39420.00	22700.00



PES Project Load Ticket

5120103

Load Ticket: 24823

Date: 1-30-23

Sold to: Allegany Scrap
Location: Benzene tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 112880 lbs

Tare Weight: 42420 lbs

Net Weight: 20400 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

24823

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Northston

Address PES

Truck No. 56 Cust. No. 24823

Gross Weigh-In:
ID#: 56
08:10 am 01/30/23
Tare _____ 63180 lb

Net _____ Weigh-Out:
ID#: 56
08:22 am 01/30/23
63180 lb Gross
44600 lb Tare
18580 lb Net

*VAP HWT
BURN TANK
PLAC*

Haul - Fuel Charge: < >
NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____
K 49337



PES Project Load Ticket

5120103

Load Ticket: 24823

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Benzene tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 112880 lbs

Gross Weight: _____

Tare Weight: 42420 lbs

Tare weight: _____

Net Weight: 20400 lbs

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]





PES Project Load Ticket

5120103

Load Ticket: 24824

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plates

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 00000165

Tare Weight: 39420165

Net Weight: 21180165

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039789
Date: 01/30/2023 12:53 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201438.946
Loads: 13347

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

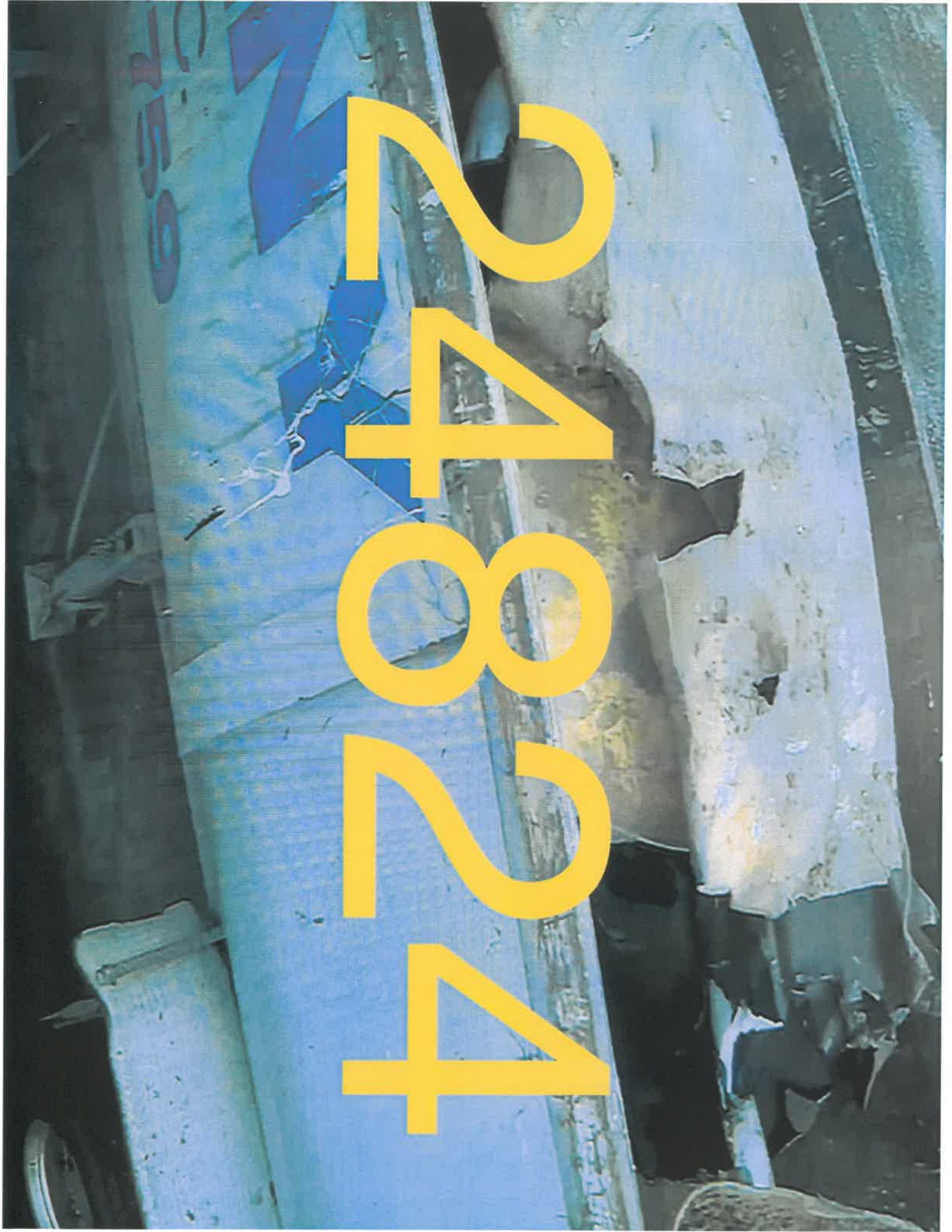
Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	10.59 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	60600.00	39420.00	21180.00



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Northampton

Address PES

Truck No. 07 Cust. No. 24824

Gross

Weigh-In:
ID#: 07
08:20 am 01/30/23
60780 lb

Tare _____

Net 17640#

Weigh-Out:
ID#: 07
08:32 am 01/30/23
60780 lb Gross
40640 lb Tare
20140 lb Net

*UMP Burner
Tail pipe*

- 2500" MLD

4 7

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____ **K 49340**



PES Project Load Ticket

512003

Load Ticket: 24824

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 100000 lbs

Gross Weight: _____

Tare Weight: 39420 lbs

Tare weight: _____

Net Weight: 21180 lbs

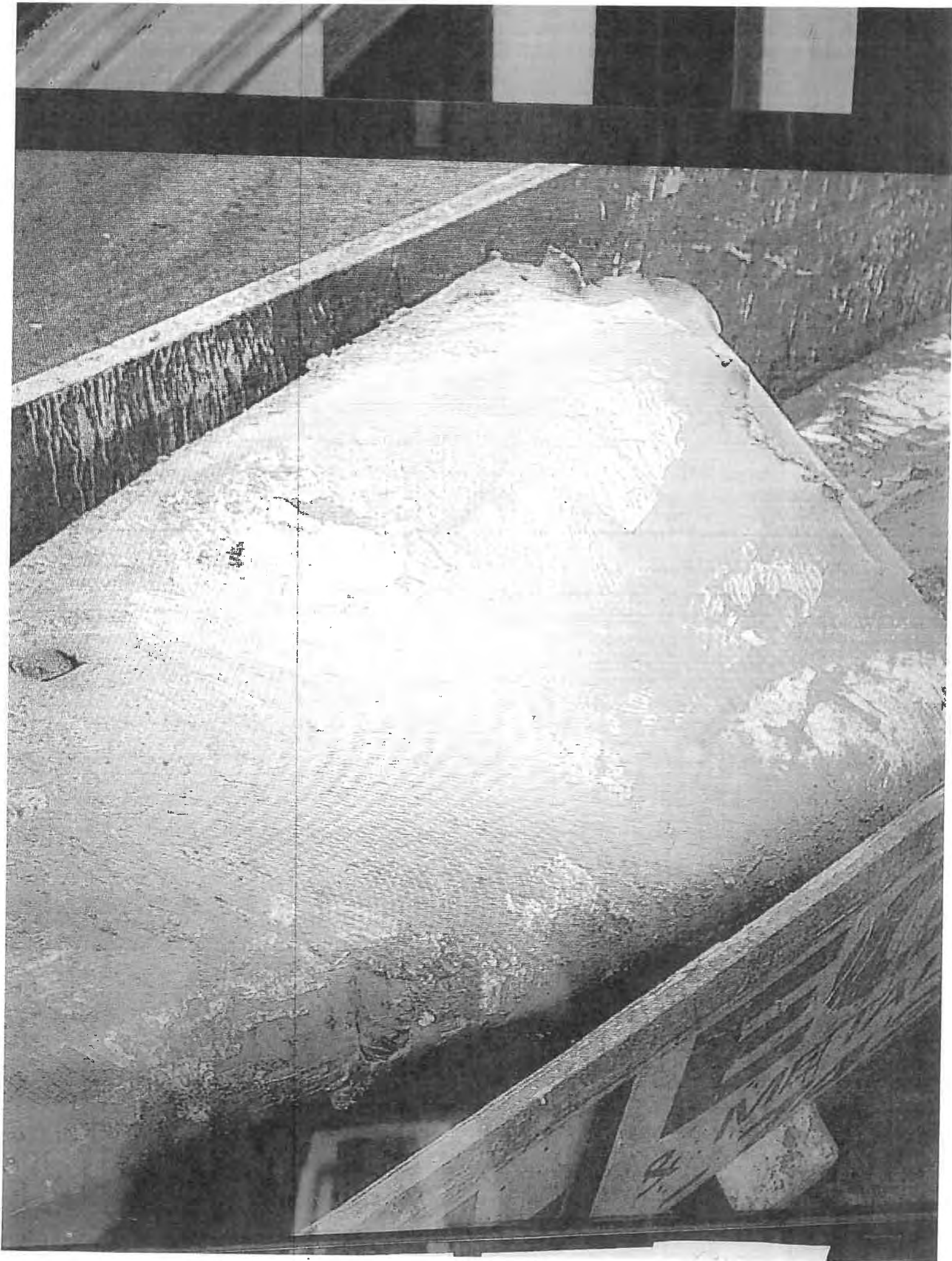
Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039789
Date: 01/30/2023 12:53 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201438.946
Loads: 13347

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	10.59 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	60600.00	39420.00	21180.00



PES Project Load Ticket

5120103

24825

Load Ticket: _____

Date: ~~11-20-23~~ 1-30-23

Sold to: Allegany ^{Scrap}
Location: Benew Tank
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 69820lbs

Tare Weight: 41100lbs

Net Weight: 28720lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039790
 Date: 01/30/2023 1:00 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 201453.276
 Loads: 13348

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA 19145
 Signature: _____

Ticket #: 20039790
 Date: 01/30/2023 1:00 PM
 Phone: () -
 Fax: () -

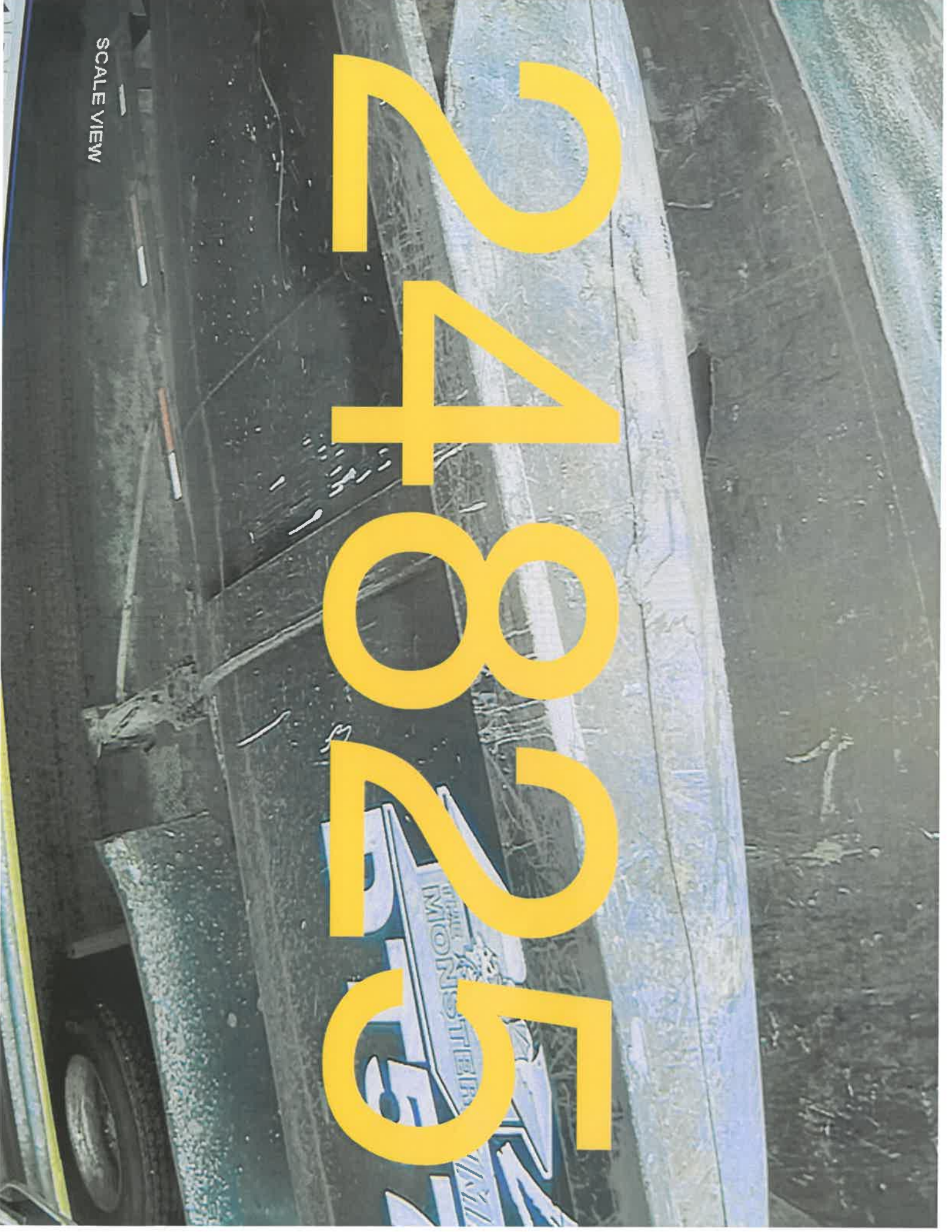
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	14.33 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	69820.00	41160.00	28660.00

SCALE VIEW

24825



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Weston

Address PES

Truck No. 06 Cust. No. 24825

Gross Weigh-In:
ID#: 06
08:26 am 01/30/23
69260 lb

Tare _____

Net Weigh-Out:
ID#: 06
08:40 am 01/30/23
69260 lb Gross
41580 lb Tare
27680 lb Net

*VAD BURNING
TANK PLANT*

L 7

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49341



PES Project Load Ticket

5120103

24825

Load Ticket: _____

Date: ~~1-20-23~~ 1-30-23

Sold to: Allegnemy ^{Scrap}
 Location: Benene Tanks
 Carrier: Allegnemy

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 69820lbs

Tare Weight: 41160lbs

Net Weight: 28660lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039790
 Date: 01/30/2023 1:00 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 201453.276
 Loads: 13348

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145
 Signature: _____

20039790
 01/30/2023 1:00 PM
 () -
 () -

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	14.33 tn						

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Weight Information

Material	Gross	Tare	Net
SCRAP	69820.00	41160.00	28660.00



PES Project Load Ticket

5120103

Load Ticket: 24827

Date: 1-30-23

Sold to: Allegromeny Scrap
Location: MOB PB
Carrier: Allegromeny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other _____

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Disposal Facility: _____

Carrier: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 02500 lbs

Gross Weight: _____

Tare Weight: 38800 lbs

Tare weight: _____

Net Weight: 23700 lbs

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039791
Date: 01/30/2023 1:26 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201465.126
Loads: 13349

RO-18 - ROLL OFF TRUCK
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145
Signature: _____

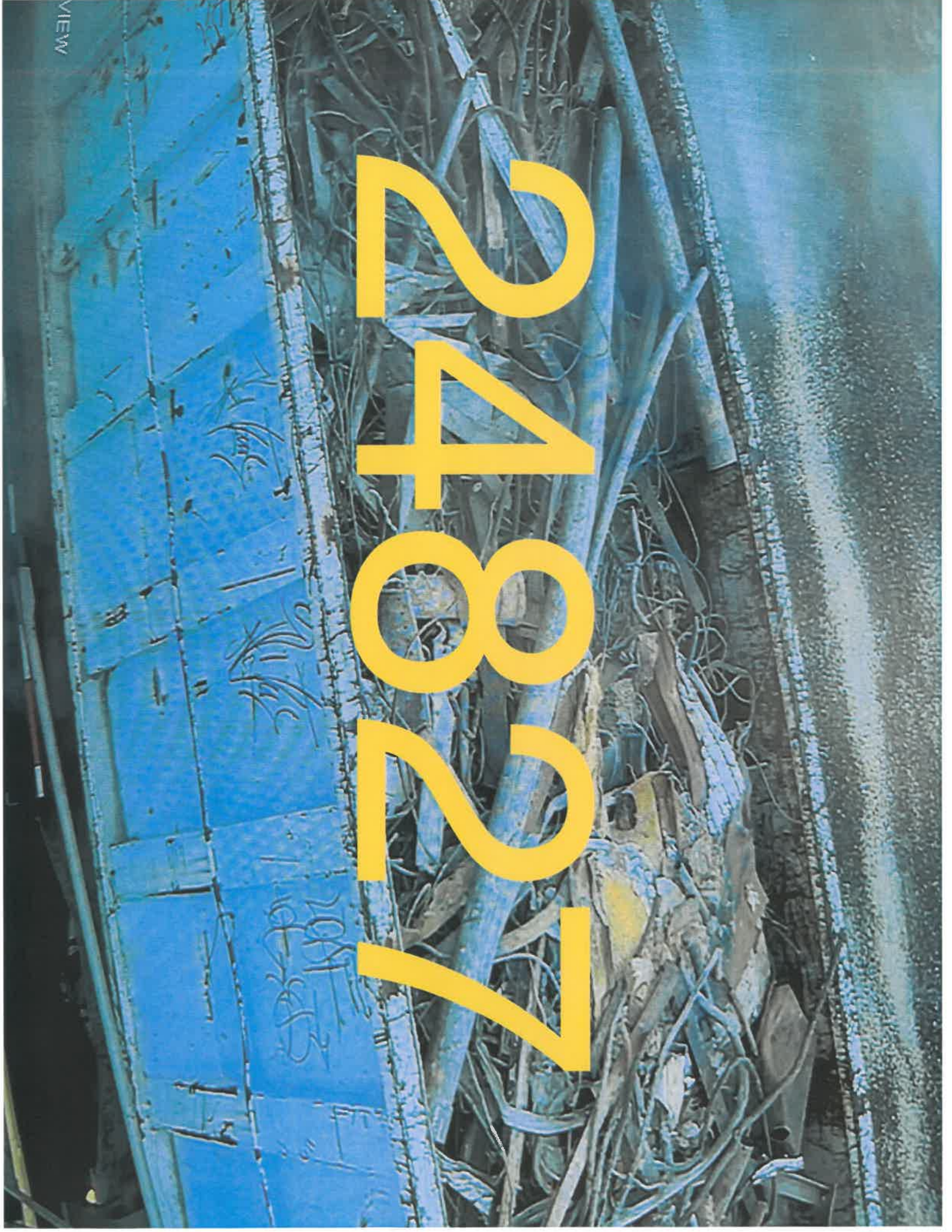
Ticket #: 20039791
Date: 01/30/2023 1:26 PM
Phone: () -
Fax: () -

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.85 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	62560.00	38860.00	23700.00

2021





PES Project Load Ticket

5120103

Load Ticket: 24827

Date: 1-30-23

Sold to: Allegheny Scrap
Location: MOB PB
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

- Steel / Ferrous**
- No. 1 P+S
 - No. 2 Heavy Melt
 - Cast Iron
 - Mixed
 - Pipe
 - Light Iron
 - Re-Bar
 - Other _____

- Non-Ferrous**
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition**
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

- Waste Stream**
- C&D Demolition Debris
 - Non-Friable ACM
 - Friable ACM
 - PB WWTP Sludge
 - GP WWTP Sludge
 - Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
 - Process Haz Waste
 - Demo Debris (C&D)
 - Non-Haz Waste (Solid)
 - Non-Haz Waste (Liquid)
 - PCB (Non-TSCA)
 - PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 02500 lbs

Tare Weight: 38800 lbs

Net Weight: 23700 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039791

Date: 01/30/2023 1:26 PM

Phone: () -

Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201465.126
Loads: 13349

RO-18 - ROLL OFF TRUCK
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.85 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	62560.00	38860.00	23700.00



PES Project Load Ticket

5120103

Load Ticket: 24828

Date: 1-30-23

Sold to: Allegheny
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 73500lbs

Tare Weight: 42420lbs

Net Weight: 31140lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039792
Date: 01/30/2023 2:37 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201480.696
Loads: 13350

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

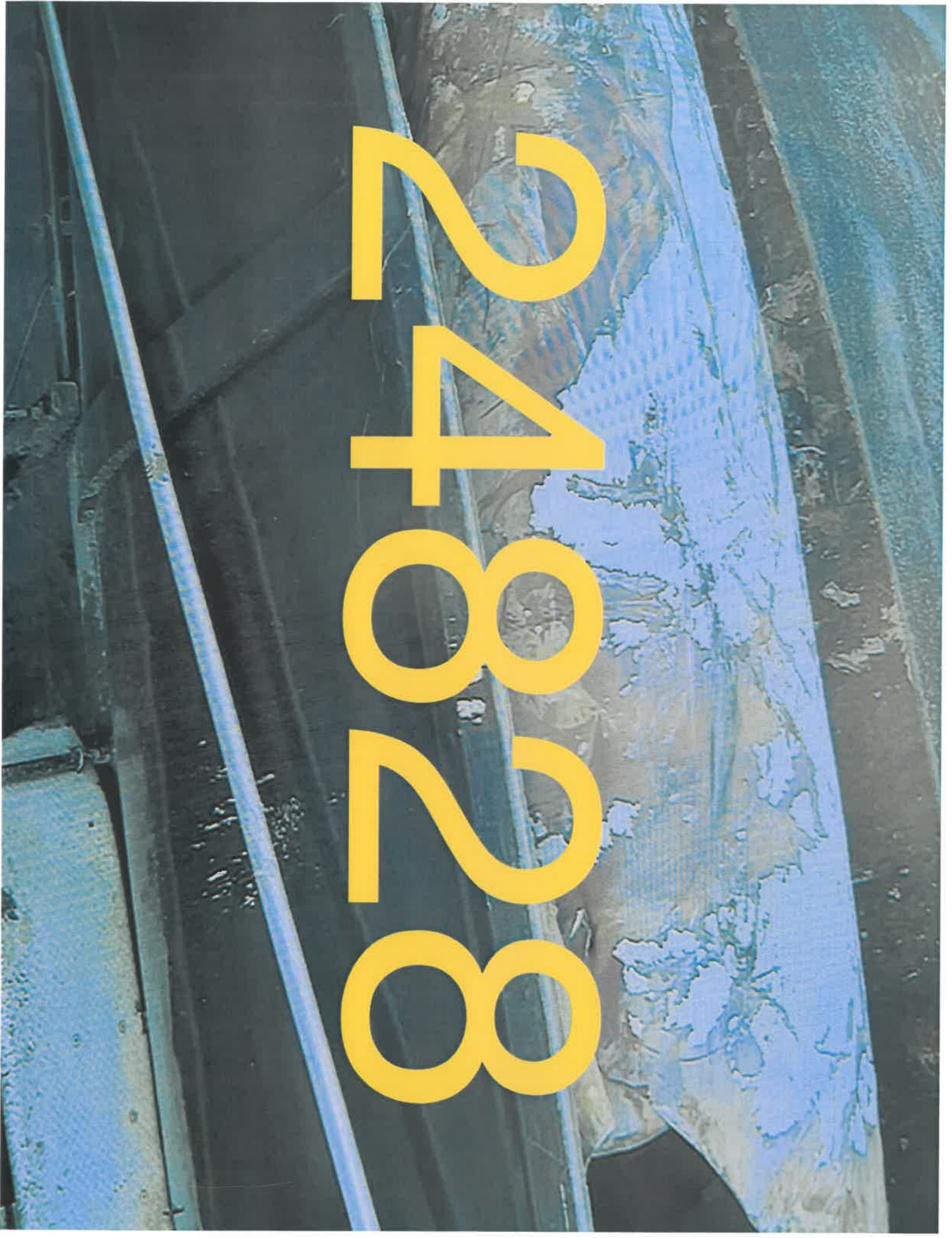
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	15.57 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	73560.00	42420.00	31140.00

2020



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1/30/23

Name Woodston

Address PFS

Truck No. 56 Cust. No. 24828

Gross

Tare _____

Net 25180 #

Weigh-In:

ID#: 56

10:10 am 01/30/23

73780 lb

Weigh-Out:

ID#: 56

10:22 am 01/30/23

73780 lb Gross

45100 lb Tare

28680 lb Net

- 3500# McD

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49357



PES Project Load Ticket

5120103

Load Ticket: 24828

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Scale Ticket #: _____

Gross Weight: 735001bs

Tare Weight: 424201bs

Net Weight: 311401bs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

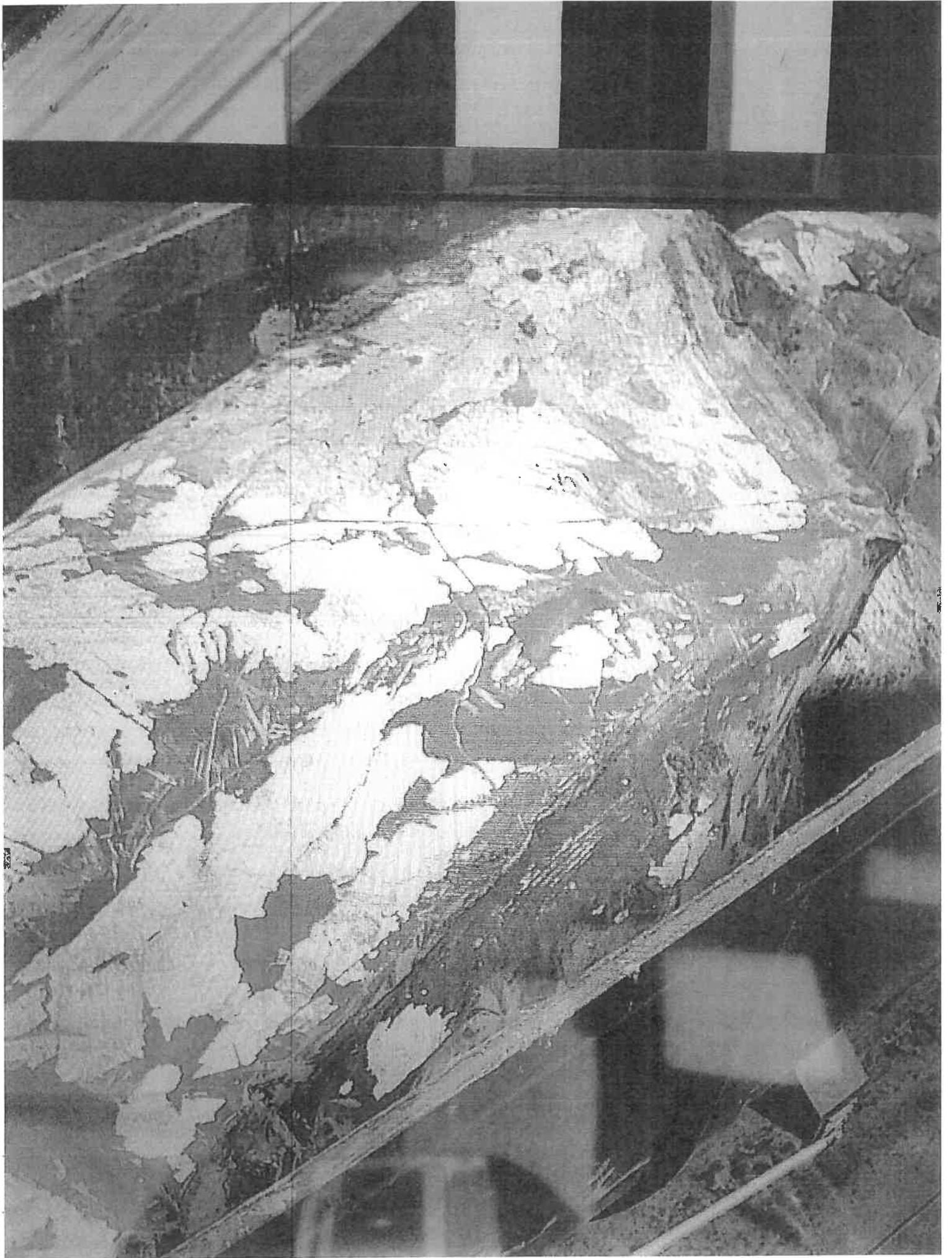
Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039792

Date: 01/30/2023 2:37 PM

Phone: () -

Fax: () -

Customer: HILCO

HILCO

Order Number: 001

SCRAP REMOVAL

Tons: 201480.696

Loads: 13350

DT01-03 - ALLEGHENY TRUCK 01 W/ TRAILER 03

CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

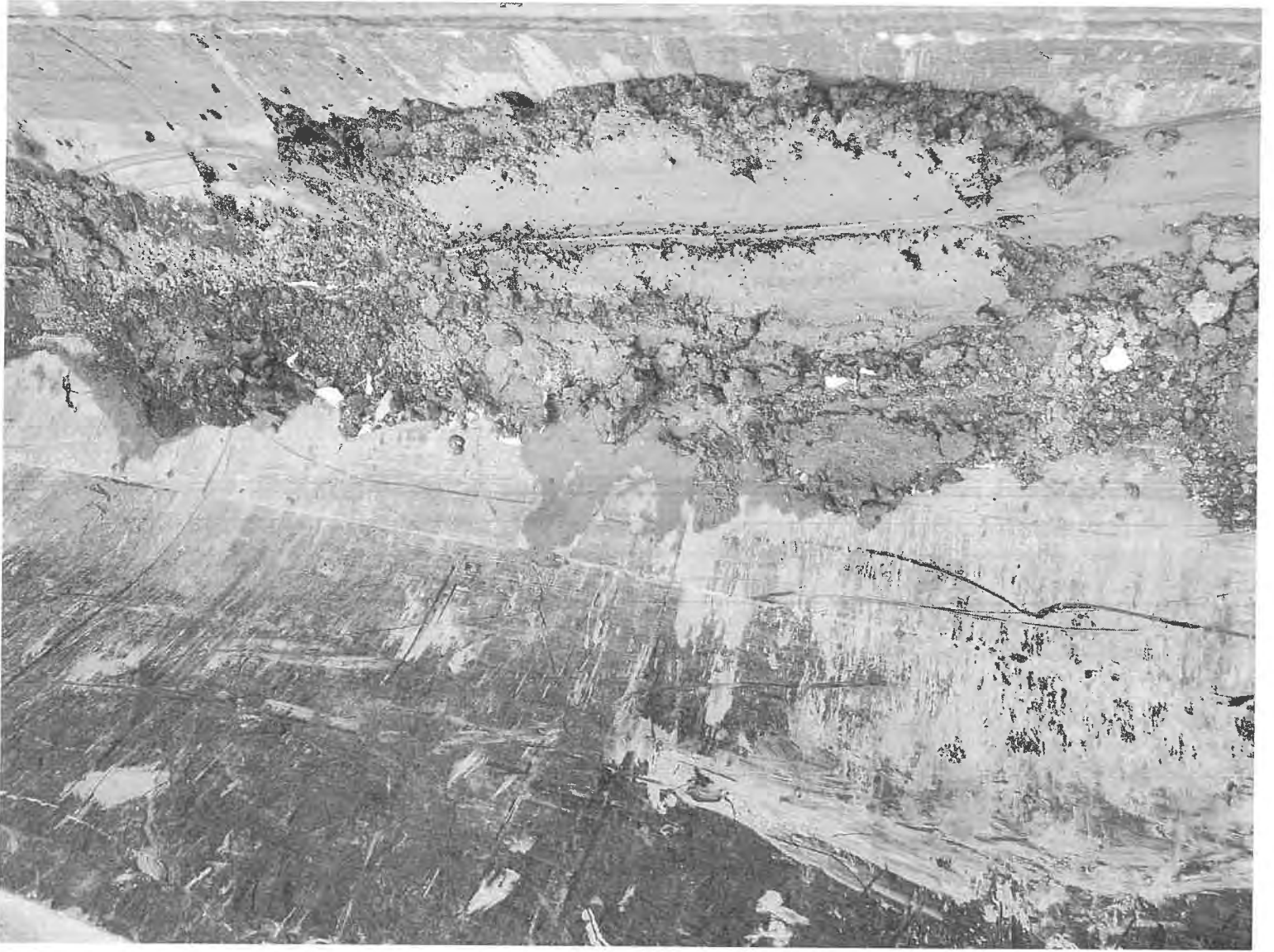
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	15.57 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	73560.00	42420.00	31140.00







PES Project Load Ticket

Load Ticket: 24829

Date: 1-30-23

5120103

Sold to: Allegany Scrap
Location: Hartcraft Sub Station
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: _____

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 5302015

Tare Weight: 3880015

Net Weight: 1476015

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039793
Date: 01/30/2023 2:41 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201488.076
Loads: 13351

RO-18 - ROLL OFF TRUCK
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	7.38 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	53620.00	38860.00	14760.00

24829

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Northstar

Address PES

Truck No. R6-1P Cust. No. 24829

Gross _____

Tare _____

Net _____

Weigh-In:
ID#: 18
10:04 am 01/30/23
53420 lb

Weigh-Out:
ID#: 18
10:10 am 01/30/23
53420 lb Gross
38620 lb Tare
14800 lb Net

VAD #1
S/MAL

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49356



PES Project Load Ticket

5120103

Load Ticket: 24829

Date: 1-30-23

Sold to: Allegany Scrap
Location: Highcraft Sub Station
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: _____

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 53020 lbs

Tare Weight: 38800 lbs

Net Weight: 14200 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039793
Date: 01/30/2023 2:41 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201488.076
Loads: 13351

RO-18 - ROLL OFF TRUCK
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	7.38 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	53620.00	38860.00	14760.00



PES Project Load Ticket

5/20/03

Load Ticket: 24830

Date: 1-30-23

Sold to: Allegheny **Scrap**
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 117550lbs

Tare Weight: 39420lbs

Net Weight: 78130lbs

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039794
Date: 01/30/2023 3:04 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201502.156
Loads: 13352

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

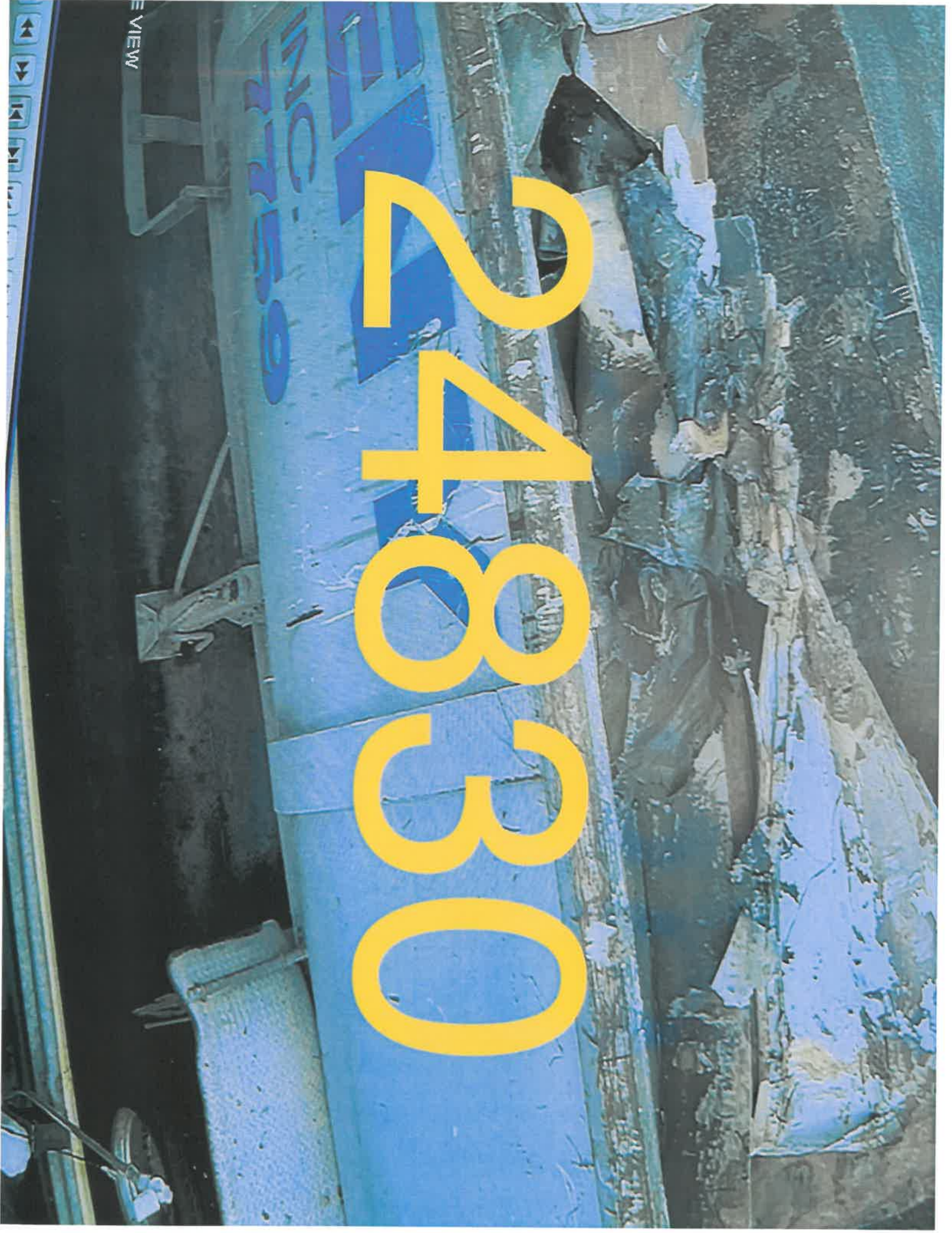
Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	14.08 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	67580.00	39420.00	28160.00



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name WORTHINGTON

Address PES

Truck No. 07 Cust. No. 24830

Gross _____

Tare _____

Net 26000

Weigh-In:
ID#: 07
10:35 am 01/30/23
67380 lb

Weigh-Out:
ID#: 07
10:49 am 01/30/23
67380 lb Gross
40380 lb Tare
27000 lb Net

- 1000# mud

VAD BURMAN
TANK PLATE

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49358



PES Project Load Ticket

5/20/03

Load Ticket: 24830

Date: 1-30-23

Sold to: Allegnenny Scrap
Location: Benzene Tanks
Carrier: Allegnenny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 07580lbs

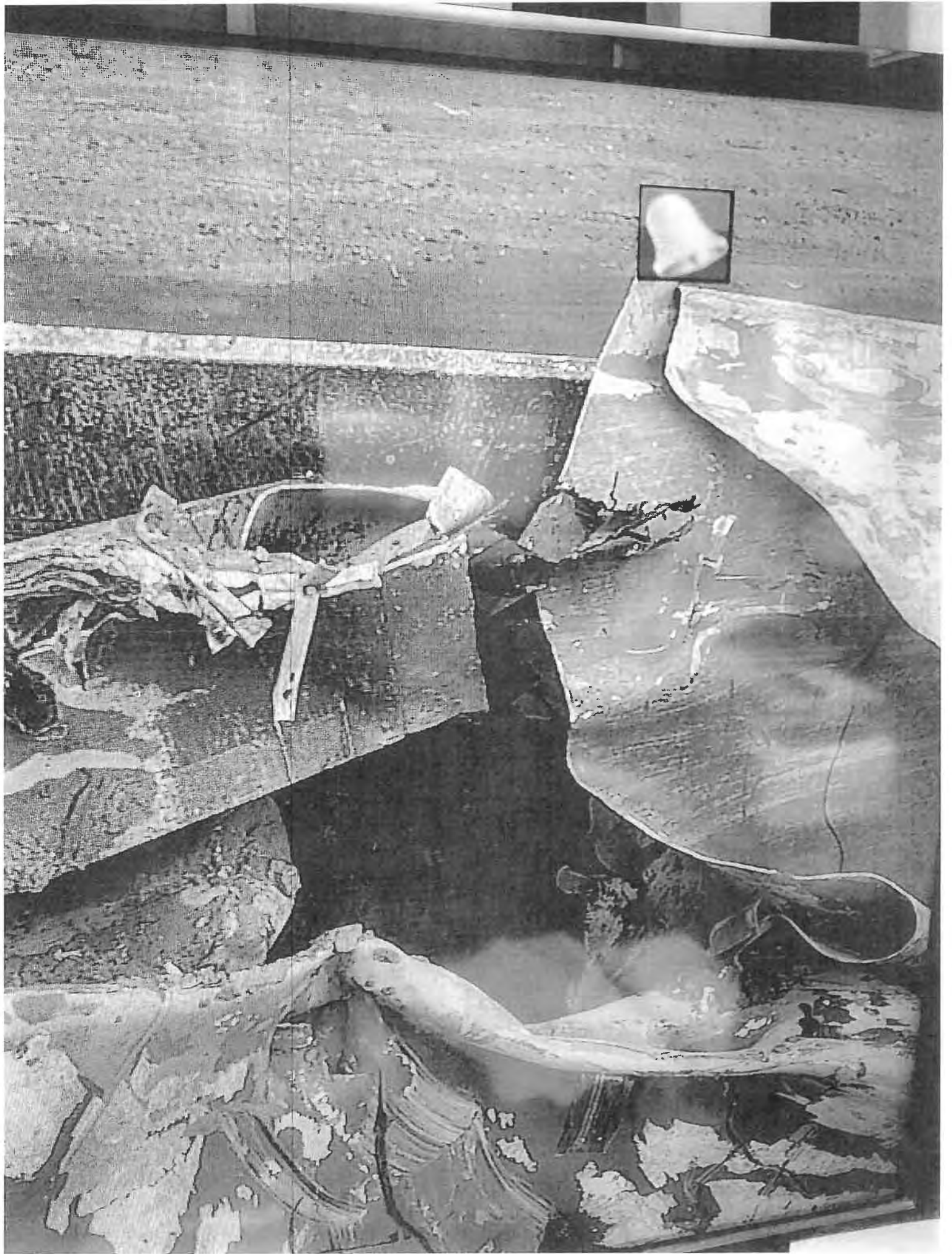
Tare Weight: 39420lbs

Net Weight: 28100lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039794
Date: 01/30/2023 3:04 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201502.156
Loads: 13352

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	14.08 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	67580.00	39420.00	28160.00



PES Project Load Ticket

5120103

Load Ticket: 24831

Date: 1-30-23

Sold to: Allegnemy ^{Scrap}
Location: Benzene Tanks
Carrier: Allegnemy

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 74280 lbs

Tare Weight: 41100 lbs

Net Weight: 33120 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

SCALE VIEW

24831



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Northstar

Address PES

Truck No. 06 Cust. No. 24831

Gross

Weigh-In:
ID#: 06
10:55 am 01/30/23
74340 lb

Tare _____

Net 29980

Weigh-Out:
ID#: 06
11:29 am 01/30/23
74340 lb Gross
43160 lb Tare
31180 lb Net

*Van Buren
Tank Plor*

1200# m/d

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49359



PES Project Load Ticket

5/20/03

Load Ticket: 24831

Date: 1-30-23

Sold to: Allegnemy Scrap
Location: Benzene tanks
Carrier: Allegnemy

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Non-Ferrous

- Insulated, Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 74280 lbs

Tare Weight: 41100 lbs

Net Weight: 33120 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



MORRIS
5

MAZZA #1
STEREO





PES Project Load Ticket

5120103

24832

Load Ticket: _____

Date: 1-30-13

Sold to: Allegheny **Scrap**
Location: Electrical Shop
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

- Steel / Ferrous**
- No. 1 P+S
 - No. 2 Heavy Melt
 - Cast Iron
 - Mixed
 - Pipe
 - Light Iron
 - Re-Bar
 - Other _____

- Non-Ferrous**
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition**
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

- Waste Stream**
- C&D Demolition Debris
 - Non-Friable ACM
 - Friable ACM
 - PB WWTP Sludge
 - GP WWTP Sludge
 - Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
 - Process Haz Waste
 - Demo Debris (C&D)
 - Non-Haz Waste (Solid)
 - Non-Haz Waste (Liquid)
 - PCB (Non-TSCA)
 - PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 57200lbs

Tare Weight: 38800lbs

Net Weight: 18400lbs

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Wootton

Address PES

Truck No. ROIP Cust. No. 24832

Gross Weigh-In:
ID#: 18
11:42 am 01/30/23
57120 lb

Tare _____

Net Weigh-Out:
ID#: 18
11:50 am 01/30/23
57120 lb Gross
36740 lb Tare
20380 lb Net

VMP #1
SHIMAK

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49367



PES Project Load Ticket

5120103

Load Ticket: 24832

Date: 10-13

Sold to: Allegheny Scrap
Location: Electric Shop
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

- Steel / Ferrous**
- No. 1 P+S
 - No. 2 Heavy Melt
 - Cast Iron
 - Mixed
 - Pipe
 - Light Iron
 - Re-Bar
 - Other: _____

- Non-Ferrous**
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition**
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

- Waste Stream**
- C&D Demolition Debris
 - Non-Friable ACM
 - Friable ACM
 - PB WWTP Sludge
 - GP WWTP Sludge
 - Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
 - Process Haz Waste
 - Demo Debris (C&D)
 - Non-Haz Waste (Solid)
 - Non-Haz Waste (Liquid)
 - PCB (Non-TSCA)
 - PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 57200lbs

Tare Weight: 38800lbs

Net Weight: 18400lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]





PES Project Load Ticket

5120103
manual ticket

Load Ticket: 24833

Date: 1-30-23

Sold to: Allegany ^{Scrap}
Location: Benzene Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 18440 lbs

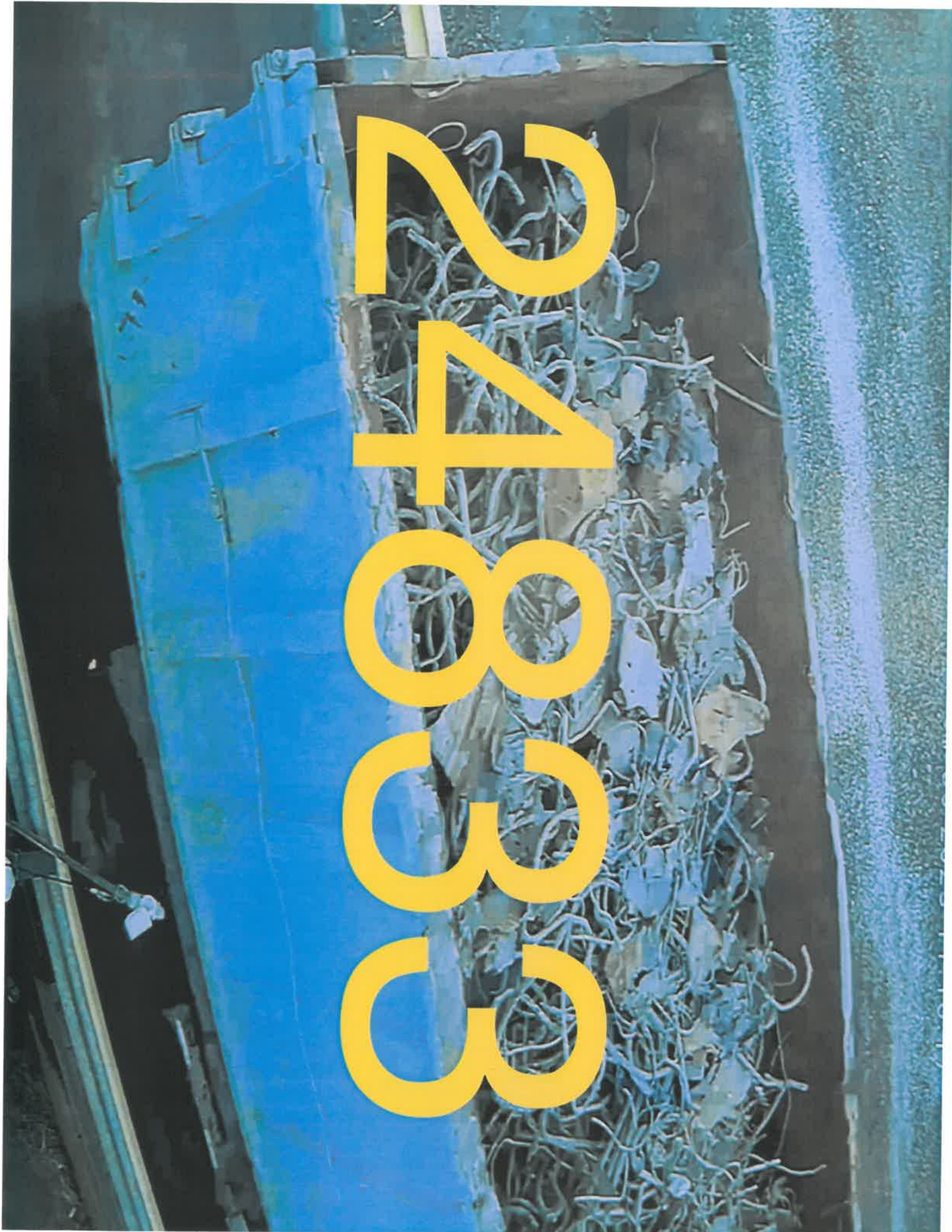
Tare Weight: 42420 lbs

Net Weight: 26020 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

24000



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Wolfeboro

Address PES

Truck No. 56 Cust. No. 24833

Gross Weigh-In:
ID#: 56
11:48 am 01/30/23
68460 lb

Tare _____

Net 22280#

Weigh-Out:
ID#: 56
12:03 pm 01/30/23
68460 lb Gross
44180 lb Tare
24280 lb Net

*VAP BURR
Tank place*

- 200# DIAT
< >

Haul - Fuel Charge: _____

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49368



PES Project Load Ticket

5120103
manual ticket

Load Ticket: 24833

Date: 1-30-23

Sold to: Allegromy ^{Scrap}
Location: Benzene Tanks
Carrier: Allegromy

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed _____
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 18440 lbs

Tare Weight: 4220 lbs

Net Weight: 20020 lbs

NorthStar Rep. Signature: _____

NorthStar Rep. Signature: _____

Received By: _____





PES Project Load Ticket

5120103
Manifest Ticket

24834

Load Ticket: _____

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

- Steel / Ferrous**
- No. 1 P+S
 - No. 2 Heavy Melt
 - Cast Iron
 - Mixed
 - Pipe
 - Light Iron
 - Re-Bar
 - Other: _____

- Non-Ferrous**
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition**
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

- Waste Stream**
- C&D Demolition Debris
 - Non-Friable ACM
 - Friable ACM
 - PB WWTP Sludge
 - GP WWTP Sludge
 - Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
 - Process Haz Waste
 - Demo Debris (C&D)
 - Non-Haz Waste (Solid)
 - Non-Haz Waste (Liquid)
 - PCB (Non-TSCA)
 - PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 48520 lbs

Tare Weight: 39420 lbs

Net Weight: 29100 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

2434



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN

IRON & STEEL SCRAP

Date 1-30-23

Name WORTHINGTON

Address PES

Truck No. 07 Cust. No. 24834

Gross Weigh-In:
ID#: 07
12:29 PM 01/30/23
68620 lb

Tare _____

Net Weigh-Out:
ID#: 07
12:47 PM 01/30/23
68620 lb Gross
39600 lb Tare
29020 lb Net

VAP P15

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49375



PES Project Load Ticket

5120103
Manual Ticket

Load Ticket: 24834

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: _____

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 48520 lbs

Tare Weight: 39420 lbs

Net Weight: 29100 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]





PES Project Load Ticket

5120103

Load Ticket: 24835

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other _____

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 79900 lbs

Tare Weight: 41100 lbs

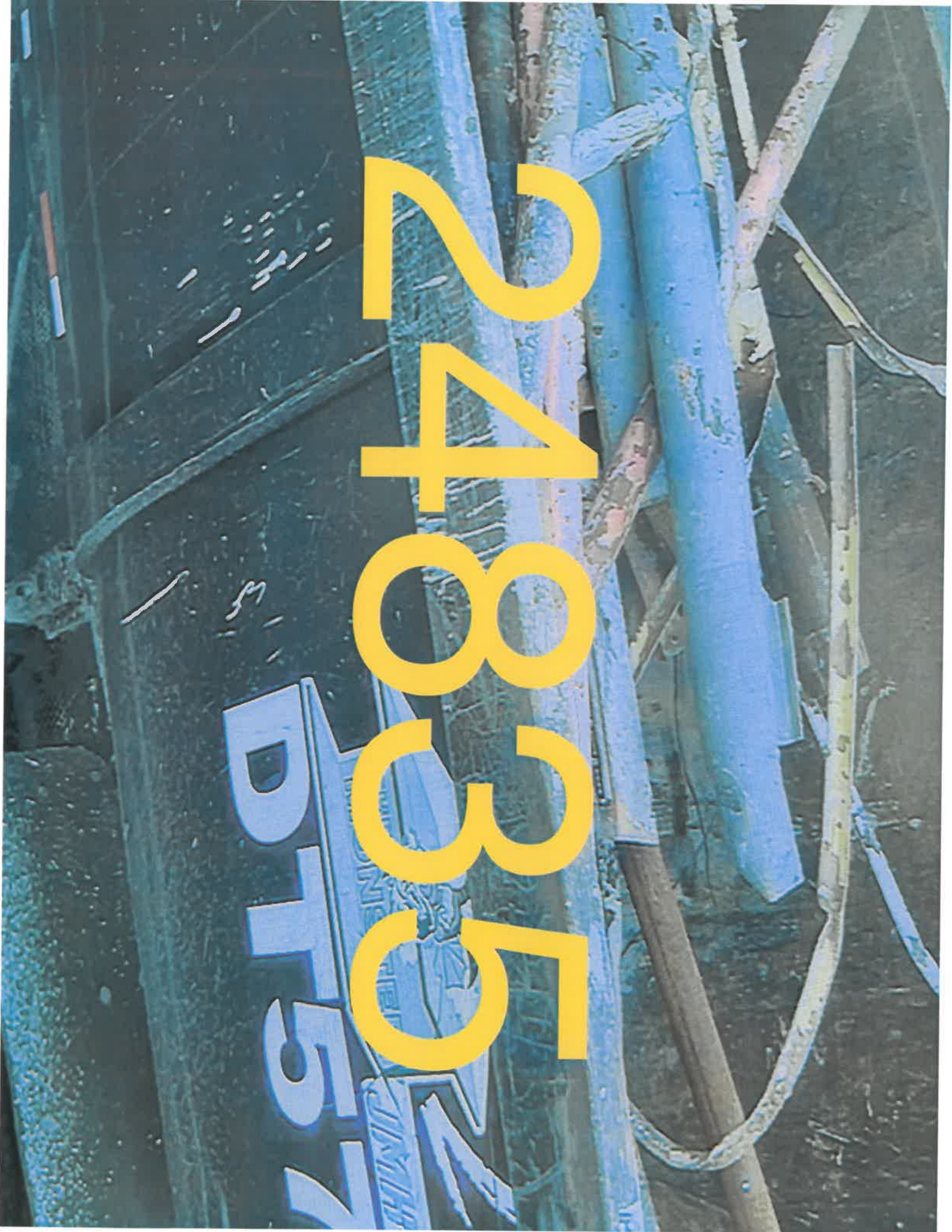
Net Weight: 38240 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

240035

DT57



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Northstar

Address PES

Truck No. 06 Cust. No. 24835

Gross Weigh-In:
ID#: 06
01:02 pm 01/30/23
79480 lb

Tare _____

Net 34940 #

Weigh-Out:
ID#: 06
01:26 pm 01/30/23
79480 lb Gross
42040 lb Tare
37440 lb Net
- 2500# DIAT

VMP #1
SHARAB

< 7

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49382



PES Project Load Ticket

5120103

Load Ticket: 24835

Date: 1-30-03

Sold to: Allegnony ^{Scrap}
Location: Benzene Tanks
Carrier: Allegnony

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other _____

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 709400 lbs

Tare Weight: 41120 lbs

Net Weight: 38240 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]





PES Project Load Ticket

5120103
Manual Ticket

Load Ticket: 24836

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Electric Shop
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: _____

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 49340 lbs

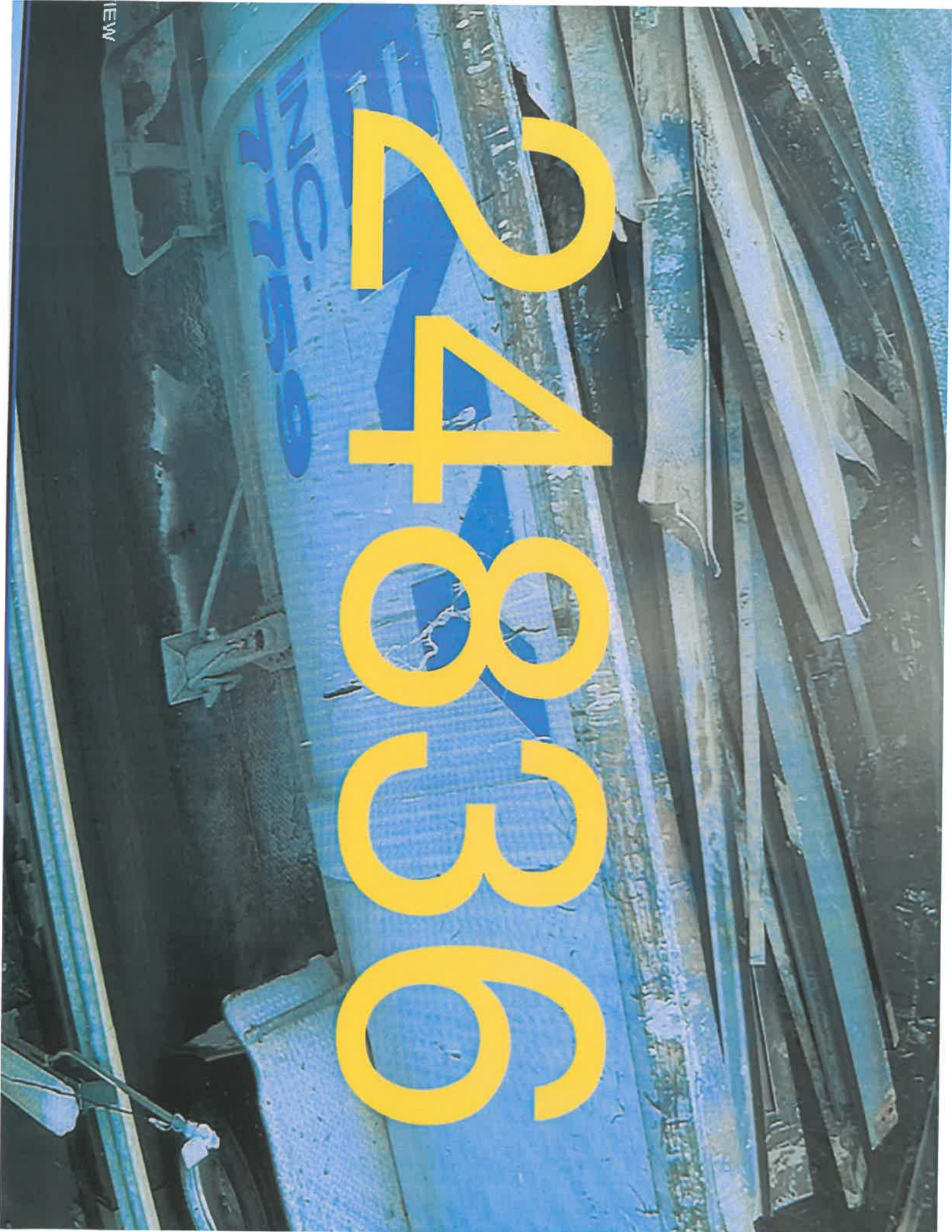
Tare Weight: 38860 lbs

Net Weight: 10480 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

240000



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name NORTHSTAR

Address PES

Truck No. RD-18 Cust. No. 24836

Gross _____

Weigh-In:
ID#: 18
01:00 pm 01/30/23
49620 lb

Tare _____

Net _____

Weigh-Out:
ID#: 18
01:17 pm 01/30/23
49620 lb Gross
38440 lb Tare
11180 lb Net

*VAD #1
SHTAAN*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49381



PES Project Load Ticket

5/20/03
Manual Ticket

Load Ticket: 24836

Date: 1-30-23

Sold to: Allegheny Scrap
Location: Electric Shop
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other _____

Non-Ferrous

- Insulated Copper Wire
- No. 1' Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 49340 lbs

Tare Weight: 38860 lbs

Net Weight: 10480 lbs

NorthStar Rep. Signature: _____

Received By: _____





PES Project Load Ticket

Load Ticket: 24837

Date: 1-30-23

512403
Manual Ticket

Sold to: Allegheny Scrap
Location: Bermentauks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 73040lbs

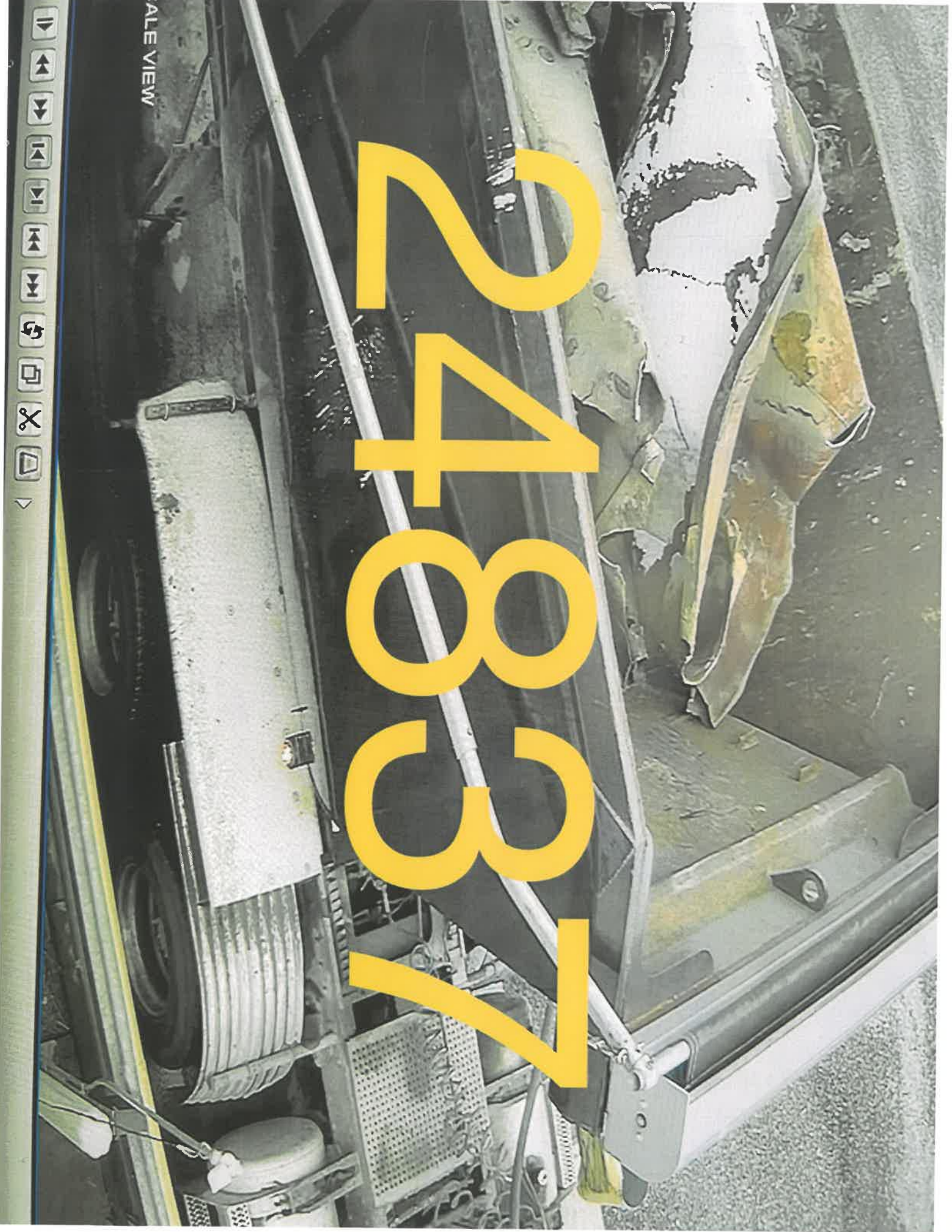
Tare Weight: 42420lbs

Net Weight: 31220lbs

NorthStar Rep. Signature: _____

Received By: _____

NorthStar Rep. Signature: _____



SCALE VIEW

24037



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-30-23

Name Worinston

Address PES

Truck No. 56 Cust. No. 24837

Gross _____

Tare _____

Net _____

Weigh-In:
ID#: 56
01:41 pm 01/30/23
73540 lb

Weigh-Out:
ID#: 56
01:56 pm 01/30/23
73540 lb Gross
44420 lb Tare
29120 lb Net

*UND HW
BURIAL PLOT*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49388



PES Project Load Ticket

512403
manual ticket

Load Ticket: 24837

Date: 1-30-23

Sold to: Allegheny ^{Scrap}
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 73040lbs

Tare Weight: 42420lbs

Net Weight: 31220lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

:22:35 (W)





PES Project Load Ticket

5120103
Manual Ticket

Load Ticket: 24838

Date: 1-30-23

Sold to: Allegromy **Scrap**
Location: MOB PB
Carrier: Allegromy

Non-Haz / ACM / Special Waste

Activity Location: _____

- Steel / Ferrous**
- No. 1 P+S
 - No. 2 Heavy Melt
 - Cast Iron
 - Mixed
 - Pipe
 - Light Iron
 - Re-Bar
 - Other _____

- Non-Ferrous**
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition**
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

- Waste Stream**
- C&D Demolition Debris
 - Non-Friable ACM
 - Friable ACM
 - PB WWTP Sludge
 - GP WWTP Sludge
 - Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
 - Process Haz Waste
 - Demo Debris (C&D)
 - Non-Haz Waste (Solid)
 - Non-Haz Waste (Liquid)
 - PCB (Non-TSCA)
 - PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 56340 lbs

Tare Weight: 38160 lbs

Net Weight: 18180 lbs

NorthStar Rep. Signature: [Signature]

Received By: _____

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1 30 23

Name Noxton

Address PES

Truck No. 2018 Cust. No. 24838

Gross Weigh-In:
ID#: 18
02:33 PM 01/30/23
56340 lb

Tare _____

Net Weigh-Out:
ID#: 18
02:39 PM 01/30/23
56340 lb Gross
38160 lb Tare
18180 lb Net

Net _____

VAD #1
SALARIAN

< 7

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49392



PES Project Load Ticket

5120103
Manual Ticket

Load Ticket: 24838

Date: 1-30-23

Sold to: Allegany ^{Scrap}
Location: MOB PB
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

- Steel / Ferrous
- No. 1 P&S
 - No. 2 Heavy Melt
 - Cast Iron
 - Mixed
 - Pipe
 - Light Iron
 - Re-Bar
 - Other _____

- Non-Ferrous -
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

- Waste Stream
- C&D Demolition Debris
 - Non-Friable ACM
 - Friable ACM
 - PB WWTP Sludge
 - GP WWTP Sludge
 - Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
 - Process Haz Waste
 - Demo Debris (C&D)
 - Non-Haz Waste (Solid)
 - Non-Haz Waste (Liquid)
 - PCB (Non-TSCA)
 - PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 56340 lbs

Tare Weight: 38100 lbs

Net Weight: 18180 lbs

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: _____





PES Project Load Ticket

5120103

Load Ticket: 24839

Date: 1-31-23

Sold to: Allegany Scrap
Location: Benzene Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 66800lbs

Tare Weight: 42400lbs

Net Weight: 24400lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039795

Date: 01/31/2023 12:41 PM

Phone: () -

Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201514.356
Loads: 13353

DT327-1109 - ALLEGHENY TRUCK 327-1109
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

20039795
Date 01/31/2023 12:41 PM
Phone () -
Fax () -

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.2 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	66800.00	42400.00	24400.00

24836

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4224

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-31-23

Name Northstar

Address PES

Truck No. 327 Cust. No. 24839

Gross Weigh-In:
ID#: 327
08:13 am 01/31/23
67020 lb

Tare _____

Net Weigh-Out:
ID#: 327
08:28 am 01/31/23
67020 lb Gross
40920 lb Tare
26100 lb Net

*UMP Bump
TAIL PLATE*

< 7

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49402



PES Project Load Ticket

5120103

Load Ticket: 24839

Date: 1-31-23

Sold to: Allegheny ^{Scrap}
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 66800 lbs

Tare Weight: 42400 lbs

Net Weight: 24400 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039795

Date: 01/31/2023 12:41 PM

Phone: () -

Fax: () -

Customer: HILCO

HILCO

Order Number: 001

SCRAP REMOVAL

Tons: 201514.356

Loads: 13353

DT327-1109 - ALLEGHENY TRUCK 327-1109

CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.2 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	66800.00	42400.00	24400.00



PES Project Load Ticket

5120103

Load Ticket: 24840

Date: 1-31-23

Sold to: Allegheny ^{Scrap}
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 45900lbs

Gross Weight: _____

Tare Weight: 41100lbs

Tare weight: _____

Net Weight: 24740lbs

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039796
Date: 01/31/2023 12:49 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201526.726
Loads: 13354

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.37 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	65900.00	41160.00	24740.00

24840

DTG
MOUNTAIN

01-31-2023 07

VIEW

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN

IRON & STEEL SCRAP

Date 1-31-23

Name Northston

Address PES

Truck No. 06 Cust. No. 24840

Gross Weigh-In:
ID#: 06

Tare
08:23 am 01/31/23
66020 lb

Net
Weigh-Out:
ID#: 06

08:37 am 01/31/23
66020 lb Gross
42540 lb Tare
23480 lb Net

*UND BURIAL
Tank plate*

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by

K 49403



PES Project Load Ticket

5120103

Load Ticket: 24840

Date: 1-31-23

Sold to: Allegany ^{Scrap}
Location: Benzene Tanks
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Scale Info

Scale Ticket #: _____

Gross Weight: 65900 lbs

Tare Weight: 41100 lbs

Net Weight: 24740 lbs

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039796
Date: 01/31/2023 12:49 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201526.726
Loads: 13354

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.37 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	65900.00	41160.00	24740.00



PES Project Load Ticket

5120103

Load Ticket: 24841

Date: 1-31-23

Scrap

Non-Haz / ACM / Special Waste

Sold to: Allegheny
Location: Benzene Tanks
Carrier: Allegheny

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 46020lb

Gross Weight: _____

Tare Weight: 39420lb

Tare weight: _____

Net Weight: 27300lb

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039797
Date: 01/31/2023 1:09 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201540.376
Loads: 13355

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

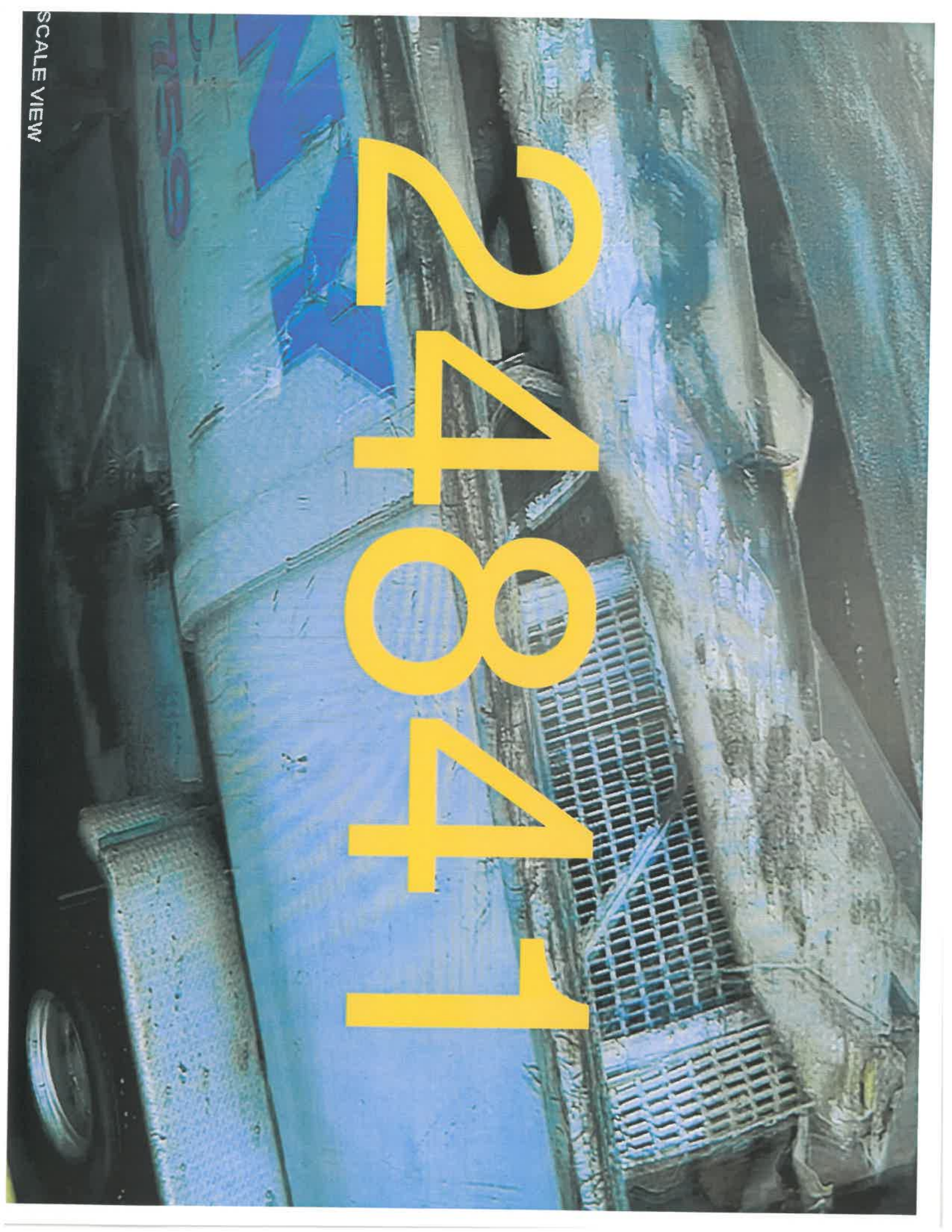
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	13.65 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	66720.00	39420.00	27300.00

21001

SCALE VIEW



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Chestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1/31/23

Name McTISH

Address PES

Truck No. 07 Cust. No. 24841

Gross Weigh-In:
ID#: 07
08:40 am 01/31/23
66700 lb

Tare _____

Net Weigh-Out:
ID#: 07
08:57 am 01/31/23
66700 lb Gross
40780 lb Tare
25920 lb Net

*VAD Burman
Tool plate*

Haul - Fuel Charge: < 7

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49404



PES Project Load Ticket

5120103

Load Ticket: 24841

Date: 1-31-23

Scrap

Sold to: Allegheny
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Scale Ticket #: _____

Gross Weight: 46720 lbs

Tare Weight: 39420 lbs

Net Weight: 27300 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS

3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039797

Date: 01/31/2023 1:09 PM

Phone: () -

Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201540.376
Loads: 13355

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	13.65 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	66720.00	39420.00	27300.00



PES Project Load Ticket

5120103

Load Ticket: 24842

Date: 1-31-23

Sold to: Scrap Allegheny
Location: Tank 1152-1157
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 47240 lbs

Tare Weight: 42900 lbs

Net Weight: 24840 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039798
Date: 01/31/2023 2:37 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201552.796
Loads: 13356

DT327-1109 - ALLEGHENY TRUCK 327-1109
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.42 tn						

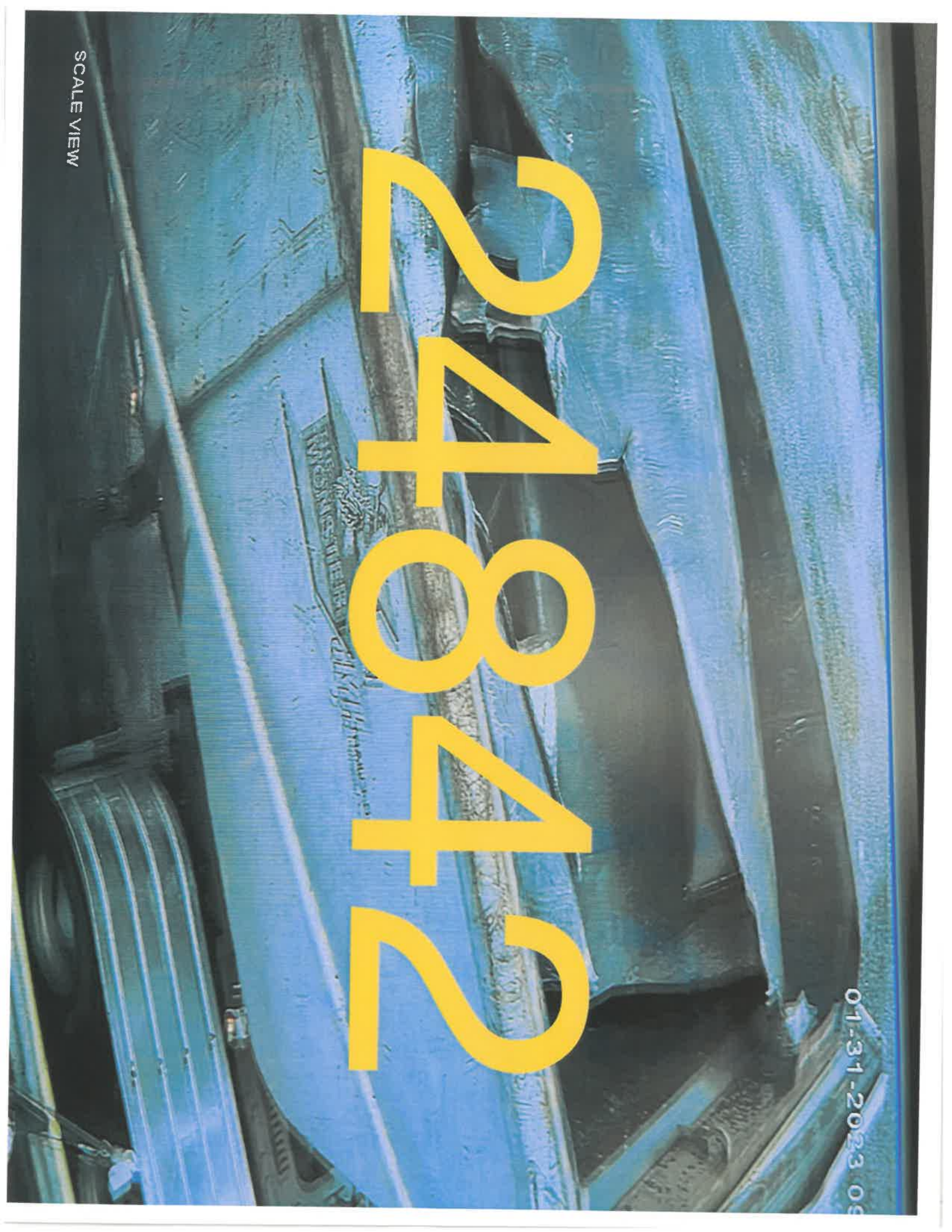
Weight Information

Material	Gross	Tare	Net
SCRAP	67240.00	42400.00	24840.00

01-31-2023 09

27842

SCALE VIEW



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-31-23

Name Verizon

Address PES

Truck No. 327 Cust. No. 24842

Gross _____

Tare _____

Net _____

Weigh-In:
ID#: 327
10:06 am 01/31/23
67460 lb

Weigh-Out:
ID#: 327
10:20 am 01/31/23
67460 lb Gross
41020 lb Tare
26440 lb Net

*VAD Buena
Took place*

Haul - Fuel Charge: < 7

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49415



PES Project Load Ticket

5120103

Load Ticket: 24842

Date: 1-31-23

Sold to: Allegheny
Location: Tank 11512-1157
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

Disposal Facility: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 47240 lbs

Gross Weight: _____

Tare Weight: 42400 lbs

Tare weight: _____

Net Weight: 24840 lbs

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039798
Date: 01/31/2023 2:37 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201552.796
Loads: 13356

DT327-1109 - ALLEGHENY TRUCK 327-1109
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	12.42 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	67240.00	42400.00	24840.00



PES Project Load Ticket

5120103

Load Ticket: 24843

Date: 1-31-23

Sold to: Allegany ^{Scrap}
Location: TANK 1170-1157
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 79840lb

Tare Weight: 41100lb

Net Weight: 38080lb

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039799
Date: 01/31/2023 2:54 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201572.136
Loads: 13357

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

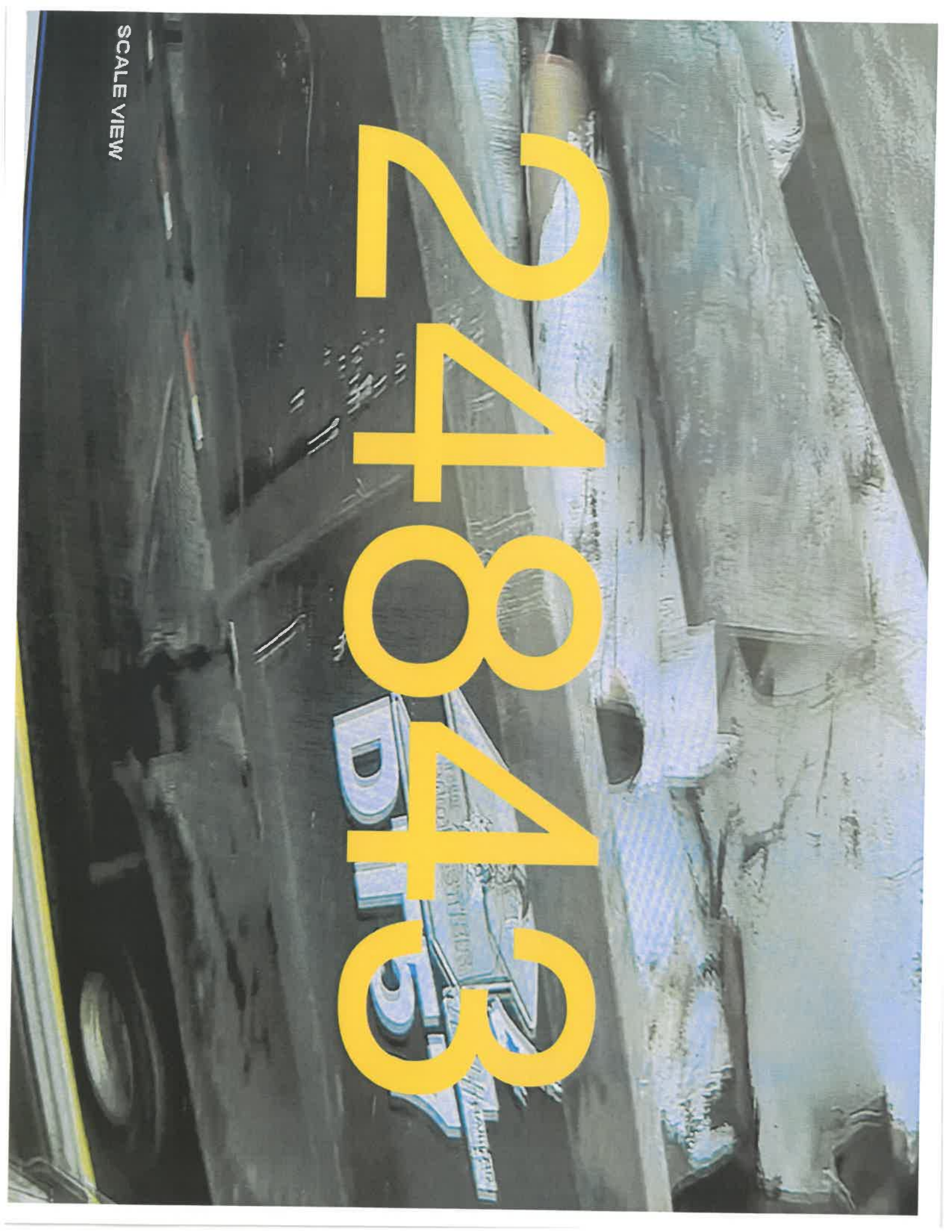
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	19.34 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	79840.00	41160.00	38680.00

24843

SCALE VIEW



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-31-23

Name Northston

Address PES

Truck No. 06 Cust. No. 218V3

Gross _____

Tare _____

Net _____

Weigh-In:
ID#: 06
10:42 am 01/31/23
80000 lb

Weigh-Out:
ID#: 06
10:57 am 01/31/23
80000 lb Gross
42920 lb Tare
37080 lb Net

*VAP BURN
TOLL PLATE*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49423



PES Project Load Ticket

5120103

Load Ticket: 24843

Date: 1-31-23

Sold to: Allegany ^{Scrap}
Location: TANK 1150-1157
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed . . .
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 79840lb

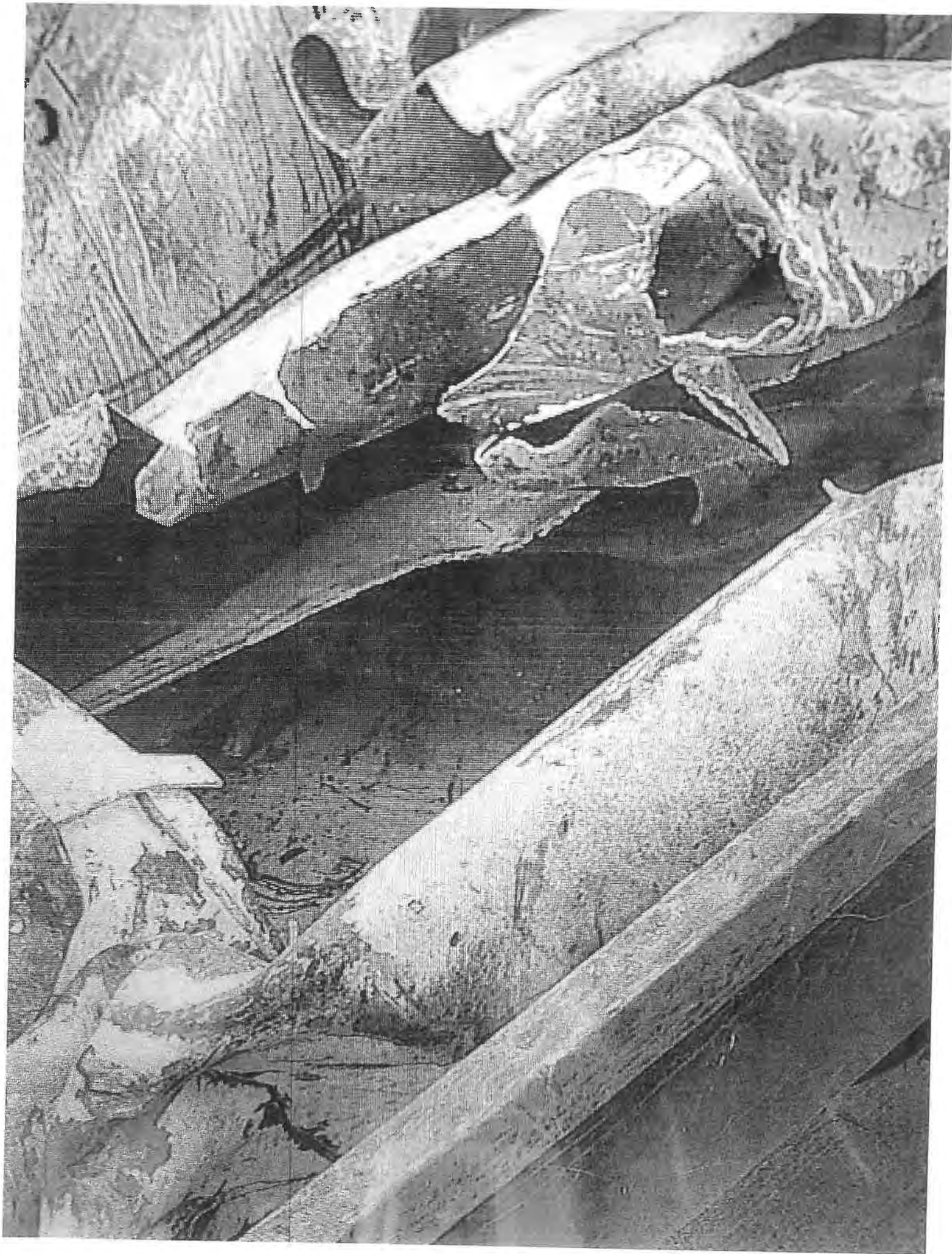
Tare Weight: 41100lb

Net Weight: 38080lb

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039799
Date: 01/31/2023 2:54 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201572.136
Loads: 13357

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	19.34 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	79840.00	41160.00	38680.00



PES Project Load Ticket

5120103

Load Ticket: 24844

Date: 1-31-23

Sold to: Allegheny Scrap
Location: TANK 1150-1157
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other TANK PLATE

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 11440 lbs

Tare Weight: 8920 lbs

Net Weight: 22020 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039800
 Date: 01/31/2023 3:07 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 201583.146
 Loads: 13358

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

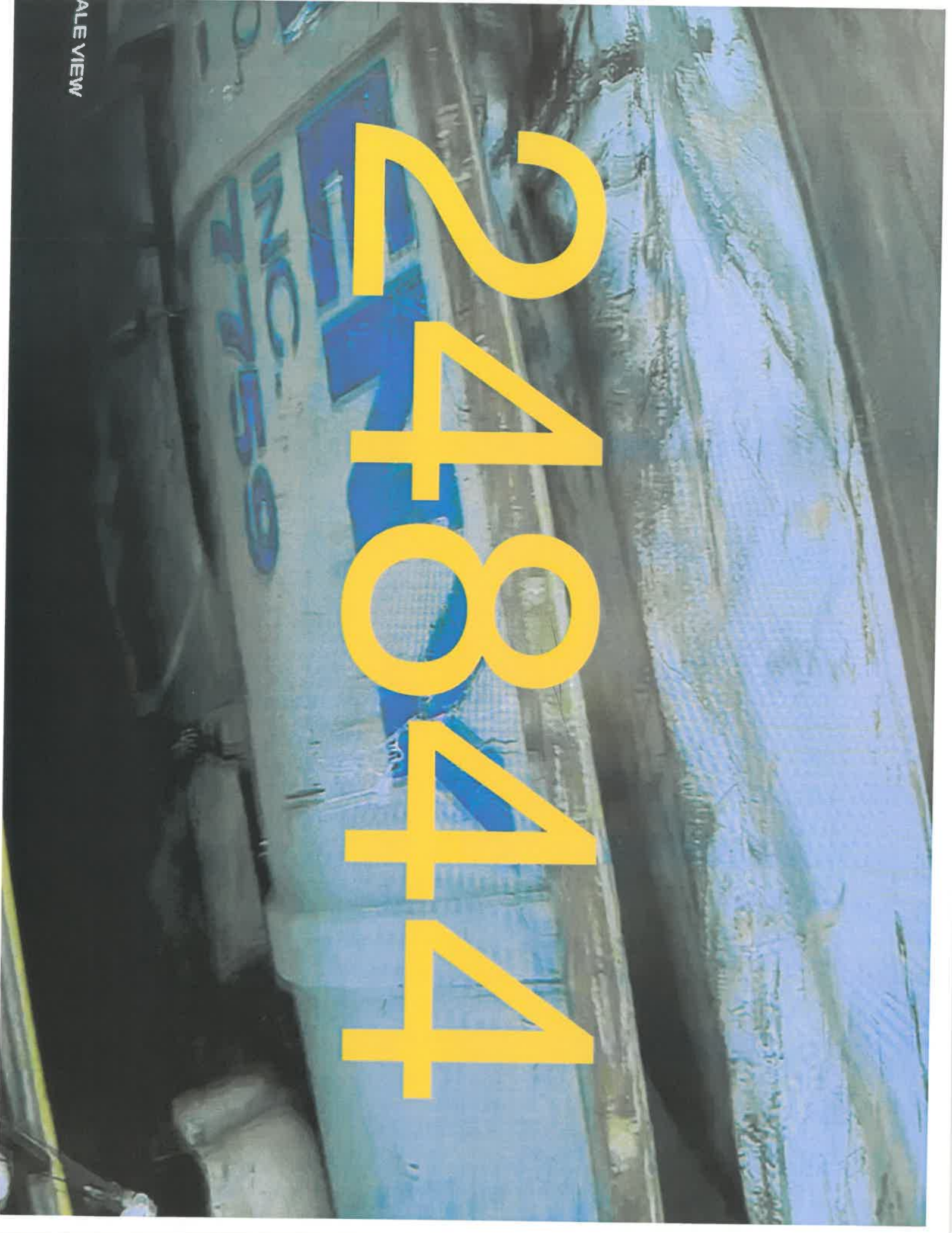
Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.01 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	61440.00	39420.00	22020.00

21877



Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 294-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-31-23

Name Neatman

Address PES

Truck No. 07 Cust. No. 24FW

Gross Weigh-In:
ID#: 07
11:00 am 01/31/23
61480 lb

Tare _____

Net 20500#

Weigh-Out:
ID#: 07
11:15 am 01/31/23
61480 lb Gross
40280 lb Tare
21200 lb Net
- 700# DLT

*VMD Burner
Tank plac*

Haul - Fuel Charge: _____

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49424



PES Project Load Ticket

Load Ticket: 24844

Date: 1-31-23

5120103

Sold to: Allegheny Scrap
Location: TANK 1156-1157
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: TANK PLATE

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 11440 lbs

Tare Weight: 39420 lbs

Net Weight: 22020 lbs

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]



22 (W)

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039800
Date: 01/31/2023 3:07 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201583.146
Loads: 13358

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.01 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	61440.00	39420.00	22020.00



PES Project Load Ticket

5120103

Load Ticket: 24845

Date: 1-31-23

Sold to: Allegheny **Scrap**
Location: Tank 11560-1157
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

Scale Ticket #: _____

Gross Weight: 60200 lbs

Tare Weight: 42400 lbs

Net Weight: 17800 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

NorthStar Rep. Signature: _____

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039801
 Date: 01/31/2023 4:41 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 201592.046
 Loads: 13359

DT327-1109 - ALLEGHENY TRUCK 327-1109
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA 19145
 Signature: _____

Ticket #: 20039801
 Date: 01/31/2023 4:41 PM
 Phone: () -
 Fax: () -

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	8.9 tn						

DT327-1109 - ALLEGHENY TRUCK 327-1109
 CARLAD - CARLA DAVILA

Weight Information

Material	Gross	Tare	Net
SCRAP	60200.00	42400.00	17800.00

24845

LE VIEW

01-31-201

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1/31/23

Name WORTHINGTON

Address PES

Truck No. 327 Cust. No. 24845

Gross Weigh-In:
ID#: 327
12:41 PM 01/31/23
Tare _____ 59900 lb

Net _____ Weigh-Out:
ID#: 327
01:02 PM 01/31/23
59900 lb Gross
41020 lb Tare
18880 lb Net

*VAP BURAN
Tank plate*

Haul - Fuel Charge: < >

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____

K 49436



PES Project Load Ticket

5120103

Load Ticket: 24845

Date: 1-31-23

Sold to: Alleggheny Scrap
Location: Tank 11500-1157
Carrier: Alleggheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 60200 lbs

Tare Weight: 42400 lbs

Net Weight: 17800 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039801
Date: 01/31/2023 4:41 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201592.046
Loads: 13359

DT327-1109 - ALLEGHENY TRUCK 327-1109
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	8.9 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	60200.00	42400.00	17800.00



PES Project Load Ticket

5120103

Load Ticket: 24846

Date: 1-31-13

Sold to: Allegany Scrap
Location: Tank 1150-1157
Carrier: Allegany

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 438401bs

Tare Weight: 411601bs

Net Weight: 226801bs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039802
Date: 01/31/2023 4:45 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201603.386
Loads: 13360

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.34 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	63840.00	41160.00	22680.00

24849

PALE VIEW

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-31-23

Name Northston

Address PES

Truck No. 06 Cust. No. 24846

Gross Weigh-In:
ID#: 06
12:13 PM 01/31/23
63560 lb

Tare _____

Net Weigh-Out:
ID#: 06
12:24 PM 01/31/23
63560 lb Gross
42640 lb Tare
20920 lb Net

Net _____

*UMP Beam
TAK plate*

< >

Haul - Fuel Charge:

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____
K 49432



PES Project Load Ticket

5120103

Load Ticket: 24846

Date: 1-31-23

Sold to: Allegheny Scrap
Location: Tank 1150-1157
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

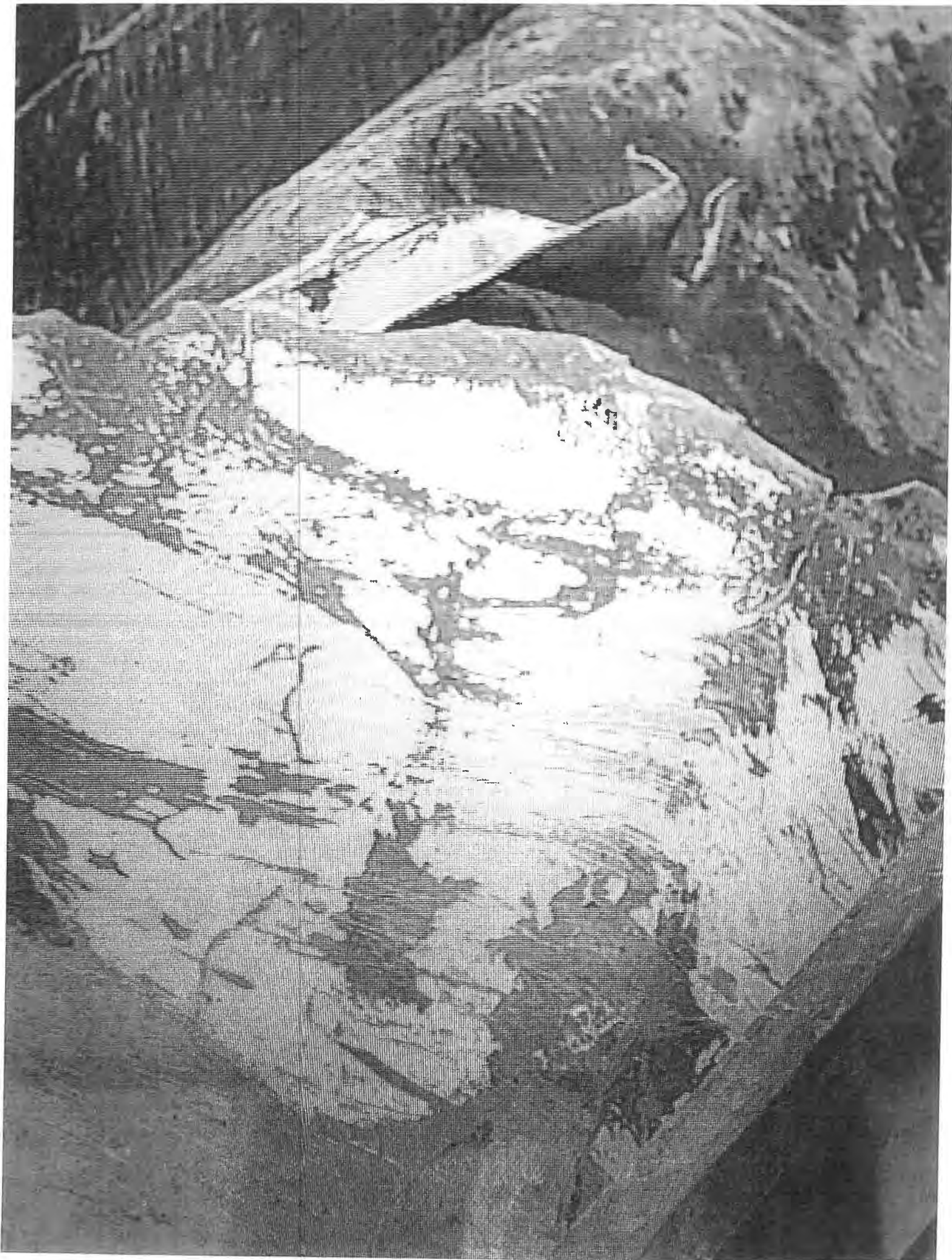
Gross Weight: 43840 lbs

Tare Weight: 41160 lbs

Net Weight: 22680 lbs

NorthStar Rep. Signature: [Signature]

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039802
Date: 01/31/2023 4:45 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201603.386
Loads: 13360

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.34 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	63840.00	41160.00	22680.00



PES Project Load Ticket

5120105

Load Ticket: 24847

Date: 1-31-23

Scrap

Non-Haz / ACM / Special Waste

Sold to: Allegheny

Location: Benzene Tanks

Carrier: Allegheny

Activity Location: _____

Steel / Ferrous

Waste Stream

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Scale Ticket #: _____

Gross Weight: 61700 lbs

Gross Weight: _____

Tare Weight: 39420 lbs

Tare weight: _____

Net Weight: 22280 lbs

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: [Signature]

NorthStar Rep. Signature: _____

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039803
Date: 01/31/2023 5:42 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201614.526
Loads: 13361

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.14 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	61700.00	39420.00	22280.00

Main & Yard
2200 E. Adams Ave
Philadelphia, PA 19124
(215) 743-7759

Affiliate Location
214 Conestoga St.
Lancaster, PA 17603
(717) 394-4424

ALLEGHENY IRON AND METAL CO., INC.

DEALERS IN
IRON & STEEL SCRAP

Date 1-31-23

Name WORTHSTAR

Address PES

Truck No. 07 Cust. No. 24847

Gross Weigh-In:
ID#: 07
01:14 pm 01/31/23
Tare _____ 61380 lb

Net Weigh-Out:
ID#: 07
01:39 pm 01/31/23
61380 lb Gross
40700 lb Tare
20680 lb Net

*UND BURN
TAIL PLATE*

Haul - Fuel Charge: < 7

NOTICE: NO REFRIGERATORS, AIR CONDITIONERS, TOXIC CHEMICALS
ASBESTOS, BATTERIES, TRANSFORMERS OR HAZARDOUS
DRUMS ACCEPTED

Received by _____
K 49439



PES Project Load Ticket

5120105

Load Ticket: 24847

Date: 1-31-23

Sold to: Allegheny **Scrap**
Location: Benzene Tanks
Carrier: Allegheny

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

- Non-Ferrous
- Insulated Copper Wire
 - No. 1 Copper Wire
 - Brass
 - Aluminum
 - Stainless, Grade _____
 - Other Alloy, Grade _____
 - Mixed _____
 - Other: _____

- Condition
- Prepared
 - Unprepared
 - Green Waste
 - Concrete
 - Masonry
 - Mixed Masonry
 - Wood Only
 - Demo Debris (C&D)
 - Dirt / Fill
 - Sand Fill
 - Crushed Stone
 - Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

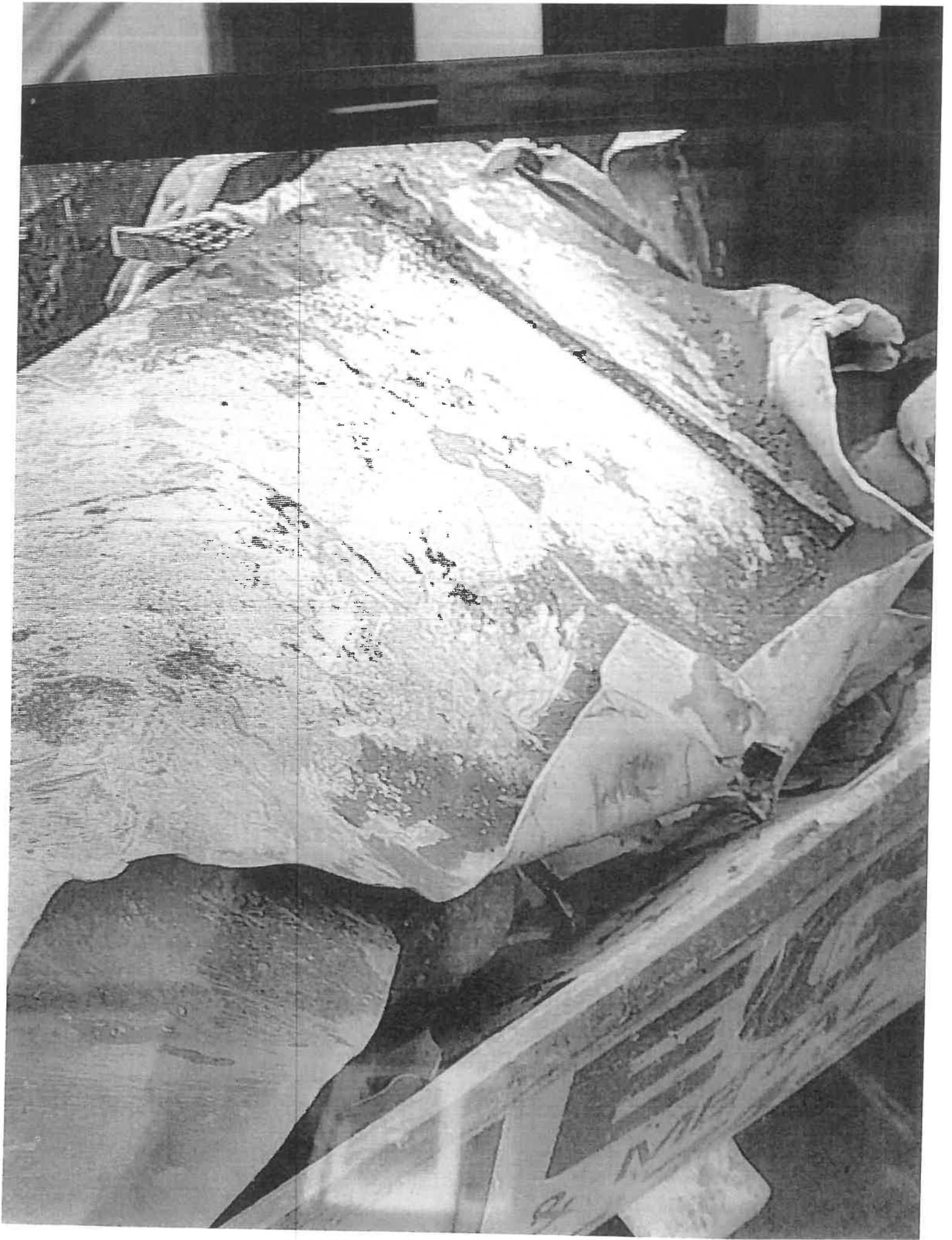
Gross Weight: 41700 lbs

Tare Weight: 39420 lbs

Net Weight: 22280 lbs

NorthStar Rep. Signature: MCH

Received By: [Signature]



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE
PHILADELPHIA PA, 19145

Ticket #: 20039803
Date: 01/31/2023 5:42 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201614.526
Loads: 13361

DT07-56 - ALLEGHENY TRUCK 7 W/ TRAILER 56
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	11.14 tn						

TRAILER 56

Weight Information

Material	Gross	Tare	Net
SCRAP	61700.00	39420.00	22280.00



PES Project Load Ticket

5120103

Load Ticket: 24848

Date: 1-31-73

Scrap

Sold to: Allegromy
Location: Benzene tanks
Carrier: Allegromy

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 70440lbs

Tare Weight: 41160lbs

Net Weight: 35280lbs

NorthStar Rep. Signature: MA

Received By: [Signature]

HILCO REDEVELOPEMENT PARTNERS
 3144 W. PASSYUNK AVE
 PHILADELPHIA PA, 19145

Ticket #: 20039804
 Date: 01/31/2023 6:16 PM
 Phone: () -
 Fax: () -

Customer: HILCO
 HILCO

Order Number: 001
 SCRAP REMOVAL
 Tons: 201632.166
 Loads: 13362

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
 CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

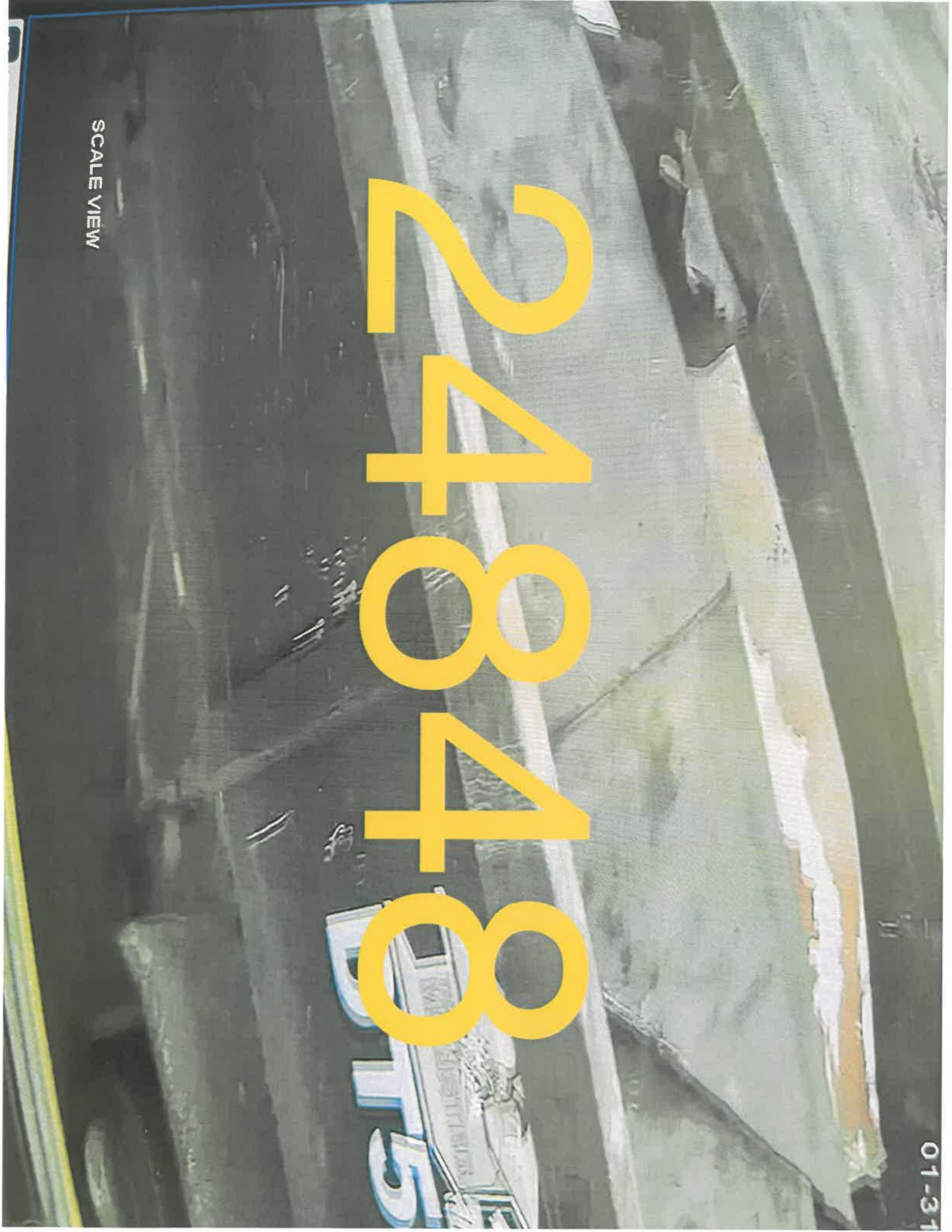
Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	17.64 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	76440.00	41160.00	35280.00

24848

SCALE VIEW





PES Project Load Ticket

5120103

Load Ticket: 24848

Date: 1-31-23

Scrap

Sold to: Allegromy
Location: Benzene Tanks
Carrier: Allegromy

Non-Haz / ACM / Special Waste

Activity Location: _____

Steel / Ferrous

- No. 1 P+S
- No. 2 Heavy Melt
- Cast Iron
- Mixed
- Pipe
- Light Iron
- Re-Bar
- Other: Tank Plate

Non-Ferrous

- Insulated Copper Wire
- No. 1 Copper Wire
- Brass
- Aluminum
- Stainless, Grade _____
- Other Alloy, Grade _____
- Mixed
- Other: _____

Condition

- Prepared
- Unprepared
- Green Waste
- Concrete
- Masonry
- Mixed Masonry
- Wood Only
- Demo Debris (C&D)
- Dirt / Fill
- Sand Fill
- Crushed Stone
- Other: _____

Waste Stream

- C&D Demolition Debris
- Non-Friable ACM
- Friable ACM
- PB WWTP Sludge
- GP WWTP Sludge
- Characteristic Haz Waste (flammable D001, corrosive D002, reactive D003, toxicity D004 -D043)
- Process Haz Waste
- Demo Debris (C&D)
- Non-Haz Waste (Solid)
- Non-Haz Waste (Liquid)
- PCB (Non-TSCA)
- PCB (TSCA)

Disposal Facility: _____

Carrier: _____

Truck #: _____

Container #: _____

Manifest #: _____

Profile / Approval #: _____

Scale Info

Scale Ticket #: _____

Gross Weight: _____

Tare weight: _____

Net weight: _____

Net Kilogram Conversion (PCB Only): _____

NorthStar Rep. Signature: _____

Scale Ticket #: _____

Gross Weight: 70440lbs

Tare Weight: 41120lbs

Net Weight: 35280lbs

NorthStar Rep. Signature: MA

Received By: MA



HILCO REDEVELOPEMENT PARTNERS
3144 W. PASSYUNK AVE

PHILADELPHIA PA, 19145

Ticket #: 20039804
Date: 01/31/2023 6:16 PM
Phone: () -
Fax: () -

Customer: HILCO
HILCO

Order Number: 001
SCRAP REMOVAL
Tons: 201632.166
Loads: 13362

DT00-57 - ALLEGHENY TRCUK 00 W/ TRAILER 57
CARLAD - CARLA DAVILA

Remarks: SCRAP REMOVAL

Signature: _____

Material	Quantity	Price	Material \$	Delivery \$	Misc \$	Tax \$	Line Total \$
SCRAP	17.64 tn						

Weight Information

Material	Gross	Tare	Net
SCRAP	76440.00	41160.00	35280.00

Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L2430771
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/11/24

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

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2430771-01	GPR217-01-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:00	06/04/24
L2430771-02	GPR217-02-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:25	06/04/24
L2430771-03	GPR217-03-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 11:45	06/04/24
L2430771-04	GPR217-04-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:15	06/04/24
L2430771-05	GPR217-05-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:45	06/04/24
L2430771-06	GPR217-06-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 11:15	06/04/24
L2430771-07	GPR217-07-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 10:10	06/04/24
L2430771-08	GPR217-08-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 11:00	06/04/24
L2430771-09	GPR217-09-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 10:40	06/04/24
L2430771-10	GPR217-10-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 10:25	06/04/24
L2430771-11	GPR1208-06-SS01	SOIL	PHILADELPHIA, PA	06/03/24 13:30	06/04/24
L2430771-12	GPR1208-02-SS01-P	SOIL	PHILADELPHIA, PA	06/03/24 13:45	06/04/24
L2430771-13	GPR1208-02-SS01-G	SOIL	PHILADELPHIA, PA	06/03/24 13:55	06/04/24
L2430771-14	GPR1208-01-SS01	SOIL	PHILADELPHIA, PA	06/03/24 14:15	06/04/24
L2430771-15	GPR1205-09-SS01	SOIL	PHILADELPHIA, PA	06/03/24 14:30	06/04/24
L2430771-16	GPR1208-07-SS01	SOIL	PHILADELPHIA, PA	06/03/24 14:40	06/04/24
L2430771-17	TB-060324	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/04/24
L2430771-18	FB-060324	WATER	PHILADELPHIA, PA	06/03/24 14:00	06/04/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

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: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2430771-17: The Client ID was specified by the client.

Volatile Organics

L2430771-02: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries are outside the acceptance criteria for 4-bromofluorobenzene; however, the samples were not re-analyzed due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this report:

L2430771-02: 163%

L2430771-03: 179%

L2430771-05: 189%

L2430771-06: 932%

L2430771-07: 144%

L2430771-08: 173%

L2430771-14: 260%

L2430771-04: The surrogate recoveries outside the acceptance criteria for 1,2-dichloroethane-d4 (251%) and 4-bromofluorobenzene (379%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2430771-04: The surrogate recovery is outside the method acceptance criteria for dibromofluoromethane (54%) due to interference with the Internal Standard.

L2430771-16: The surrogate recoveries are outside the acceptance criteria for toluene-d8 (145%) and 4-bromofluorobenzene (217%); however, the sample was not re-analyzed due to coelution with an obvious

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
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Case Narrative (continued)

interference. A copy of the chromatogram is included as an attachment to this report.

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

Authorized Signature:

 Cristin Walker

Title: Technical Director/Representative

Date: 06/11/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-01
 Client ID: GPR217-01-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:00
 Analyst: LAC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00029	J	mg/kg	0.00083	0.00028	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-02
 Client ID: GPR217-02-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:25
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 17:20
 Analyst: LAC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	0.046	J	mg/kg	0.072	0.024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	163	Q	70-130
Dibromofluoromethane	89		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-03
 Client ID: GPR217-03-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:45
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 12:52
 Analyst: JIC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00068	J	mg/kg	0.00078	0.00026	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	179	Q	70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-04
 Client ID: GPR217-04-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:15
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 13:19
 Analyst: JIC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0037		mg/kg	0.00085	0.00028	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	251	Q	70-130
Toluene-d8	129		70-130
4-Bromofluorobenzene	379	Q	70-130
Dibromofluoromethane	54	Q	70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-05
 Client ID: GPR217-05-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:45
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 13:45
 Analyst: JIC
 Percent Solids: 63%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00032	J	mg/kg	0.00090	0.00030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	189	Q	70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-06
 Client ID: GPR217-06-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:15
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 14:11
 Analyst: JIC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00036	J	mg/kg	0.00056	0.00019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	932	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-07
 Client ID: GPR217-07-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:10
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:26
 Analyst: LAC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	ND		mg/kg	0.00059	0.00020	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	144	Q	70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-08
 Client ID: GPR217-08-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:53
 Analyst: LAC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00046	J	mg/kg	0.00084	0.00028	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	173	Q	70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-09
 Client ID: GPR217-09-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:40
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 19:26
 Analyst: JIC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		mg/kg	0.00096	0.00032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-10
 Client ID: GPR217-10-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:25
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 19:52
 Analyst: JIC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	ND		mg/kg	0.00064	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-11
 Client ID: GPR1208-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:30
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 20:18
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.035		mg/kg	0.00071	0.00024	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-12
 Client ID: GPR1208-02-SS01-P
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:45
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 20:44
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.012		mg/kg	0.00070	0.00023	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-13
 Client ID: GPR1208-02-SS01-G
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:55
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 21:10
 Analyst: JIC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.047		mg/kg	0.00090	0.00030	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-14
 Client ID: GPR1208-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:15
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 23:46
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.032		mg/kg	0.00066	0.00022	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	73		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	260	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-15
 Client ID: GPR1205-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:30
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 00:11
 Analyst: JIC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.084		mg/kg	0.00058	0.00019	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	75		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-16
 Client ID: GPR1208-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:40
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 00:37
 Analyst: JIC
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.16		mg/kg	0.00080	0.00026	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	71		70-130
Toluene-d8	145	Q	70-130
4-Bromofluorobenzene	217	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-17
 Client ID: TB-060324
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:20
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-18
 Client ID: FB-060324
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:45
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Benzene	ND		ug/l	0.50	0.16	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1931053-5					
Benzene	ND		ug/l	0.50	0.16

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 10:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,07-08 Batch: WG1931171-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 10:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1931172-5					
Benzene	ND		mg/kg	0.025	0.0083

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/06/24 15:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09-16 Batch: WG1931215-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06 Batch: WG1932636-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1931053-3 WG1931053-4								
Benzene	98		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,07-08 Batch: WG1931171-3 WG1931171-4								
Benzene	90		92		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1931172-3 WG1931172-4								
Benzene	90		92		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09-16 Batch: WG1931215-3 WG1931215-4								
Benzene	80		77		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	78		79		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06 Batch: WG1932636-3 WG1932636-4								
Benzene	87		87		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		88		70-130
Dibromofluoromethane	97		97		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-01
Client ID: GPR217-01-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:00
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.8		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-02
Client ID: GPR217-02-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-03
Client ID: GPR217-03-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-04
Client ID: GPR217-04-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-05
Client ID: GPR217-05-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.8		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-06
Client ID: GPR217-06-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-07
Client ID: GPR217-07-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-08
Client ID: GPR217-08-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:00
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-09
Client ID: GPR217-09-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-10
Client ID: GPR217-10-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-11
Client ID: GPR1208-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.6		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-12
Client ID: GPR1208-02-SS01-P
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-13
Client ID: GPR1208-02-SS01-G
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.0		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-14
Client ID: GPR1208-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.9		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-15
Client ID: GPR1205-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-16
Client ID: GPR1208-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1929847-1 QC Sample: L2431008-02 Client ID: DUP Sample						
Solids, Total	80.6	80.8	%	0		20

Project Name: PESRM**Lab Number:** L2430771**Project Number:** 200.00135**Report Date:** 06/11/24**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(*)
L2430771-01A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-01X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-01Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-02A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-02X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-02Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-03A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-03X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-03Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-04A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-04B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2430771**Project Number:** 200.00135**Report Date:** 06/11/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-04C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-04D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-04X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-04Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-04Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-05A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-05X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-05Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-06A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-06X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-06Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-07A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-07X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-07Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-08A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-08B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM

Lab Number: L2430771

Project Number: 200.00135

Report Date: 06/11/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-08C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-08D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-08X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-08Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-08Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-09A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-09X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-09Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-10A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-10X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-10Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-11A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-11X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-11Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-12A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-12B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM

Lab Number: L2430771

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-12C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-12D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-12X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-12Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-12Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-13A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-13X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-13Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-14A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-14X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-14Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-15A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-15X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-15Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-16A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-16B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

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Project Number: 200.00135

Serial_No:06112413:33
Lab Number: L2430771
Report Date: 06/11/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-16C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-16D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-16X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-16Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-16Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-17A	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-SIM(14),PA-8260-BTEX(14),PA-8260(14)
L2430771-17B	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-SIM(14),PA-8260-BTEX(14),PA-8260(14)
L2430771-18A	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-BTEX(14),PA-8260-SIM(14),PA-8260(14)
L2430771-18B	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-BTEX(14),PA-8260-SIM(14),PA-8260(14)
L2430771-18C	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-BTEX(14),PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days



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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.

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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Report Date: 06/11/24

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: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



CHAIN OF CUSTODY

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WESTBORO, MA
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Client Information

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Project Information

Project Name: PESRM
Project Location: Philadelphia, PA
Project #: 200-00135
Project Manager: Bill Schmidt
ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: _____ Time: _____

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 6/4/24

ALPHA Job #: L243077

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: PADEP Criteria:

ANALYSIS	SAMPLE HANDLING										TOTAL # BOTTLES	
	Filtration _____ <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)											
Benzene											Sample Specific Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials								
		Date	Time										
30771-01	GPR 217-01-SS01-2	6-3-24	12:00	S	TR	✓							
-02	GPR 217-02-SS01-2		12:25			✓							
-03	GPR 217-03-SS01-2		11:45			✓							
-04	GPR 217-04-SS01-2		12:15			✓							
-05	GPR 217-05-SS01-2		12:45			✓							
-06	GPR 217-06-SS01-2		11:15			✓							
-07	GPR 217-07-SS01-2		10:10			✓							
-08	GPR 217-08-SS01-2		11:00			✓							
-09	GPR 217-09-SS01-2		10:40			✓							
-10	GPR 217-10-SS01-2		10:25			✓							

Container Type: E
Preservative: E

Relinquished By: Paul Macgella Date/Time: 6/4/24 14:10
Received By: Paul Macgella Date/Time: 6/4/24 10:25
Chris PKE 6/4/24 23:40
Chris PKE 6/4/24 23:40

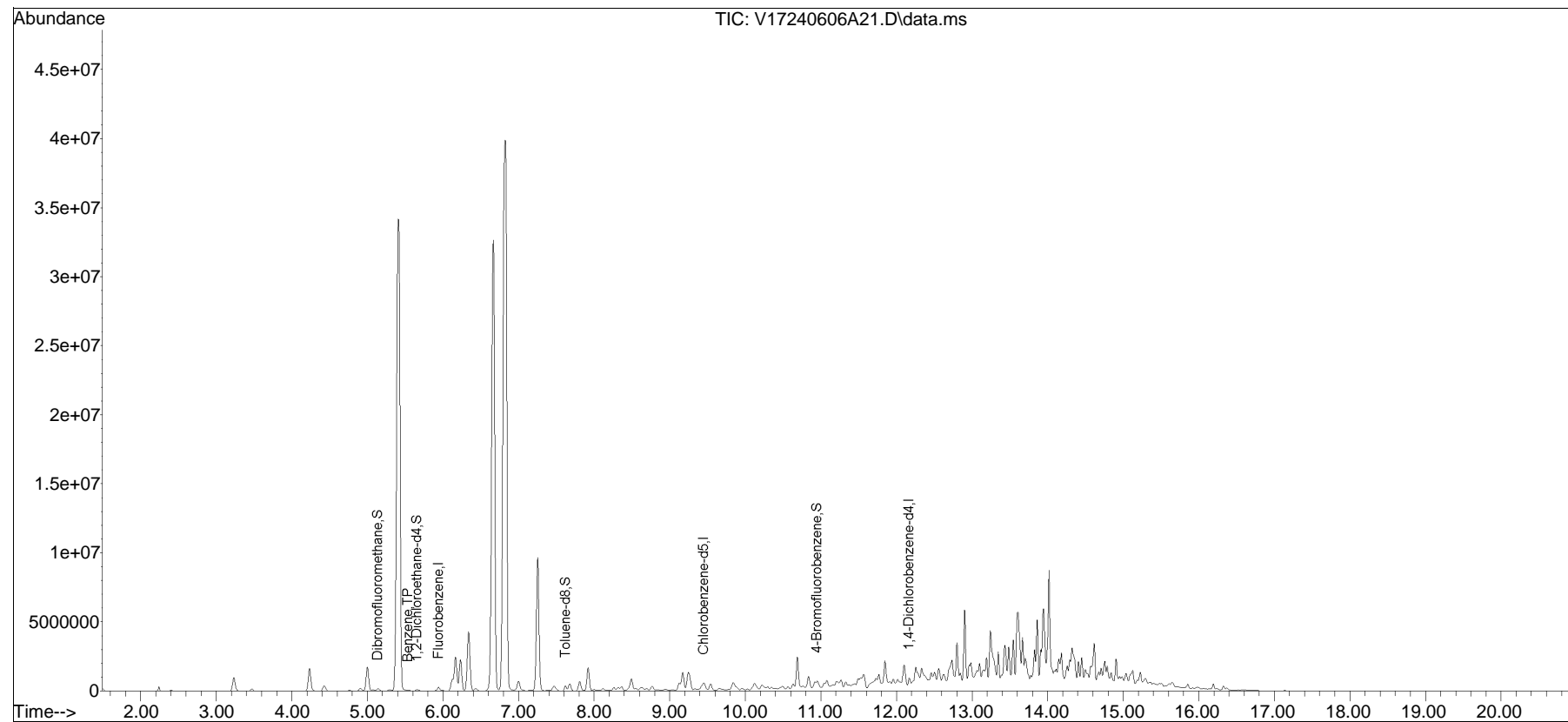
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240606A\
Data File : V17240606A21.D
Acq On : 06 Jun 2024 05:20 pm
Operator : VOA117:LAC
Sample : L2430771-02,31H,3.26,5,0.100,,X
Misc : WG1931172,ICAL20984
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 06 17:46:45 2024
Quant Method : K:\VOA117\2024\240606A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240606A01.D•

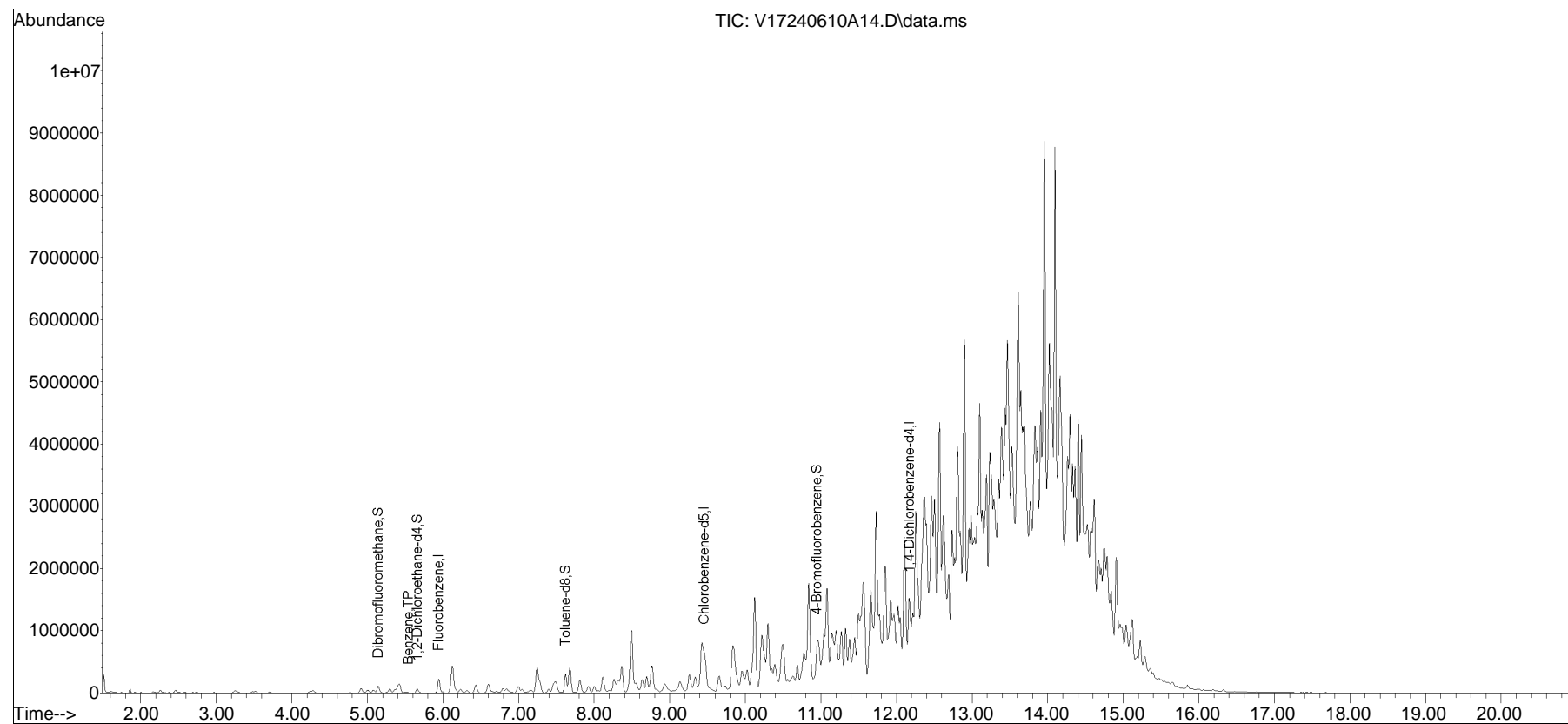


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A14.D
Acq On : 10 Jun 2024 12:52 pm
Operator : VOA117:JIC
Sample : L2430771-03,31,4.30,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 11 07:55:48 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

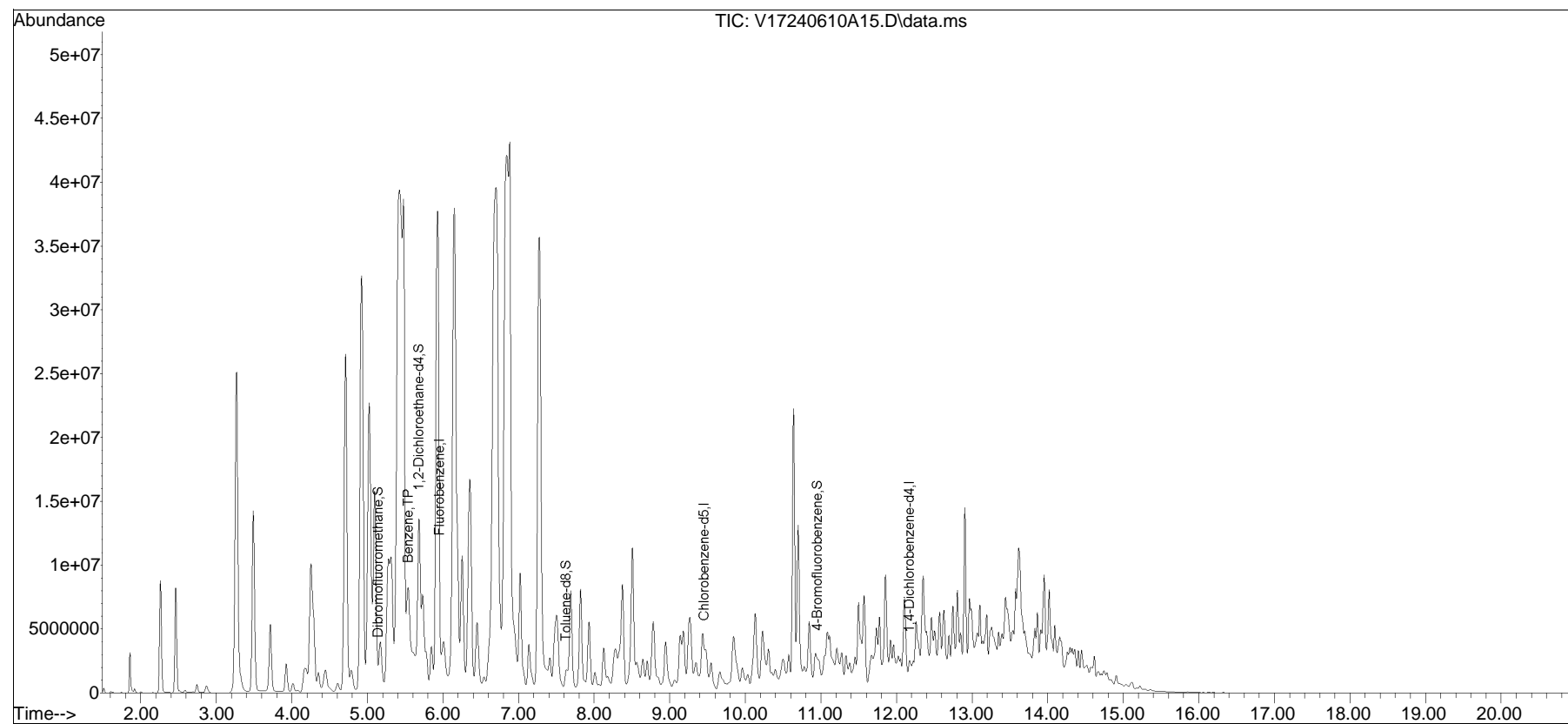


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A15.D
Acq On : 10 Jun 2024 01:19 pm
Operator : VOA117:JIC
Sample : L2430771-04,31,4.53,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 11 07:55:52 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

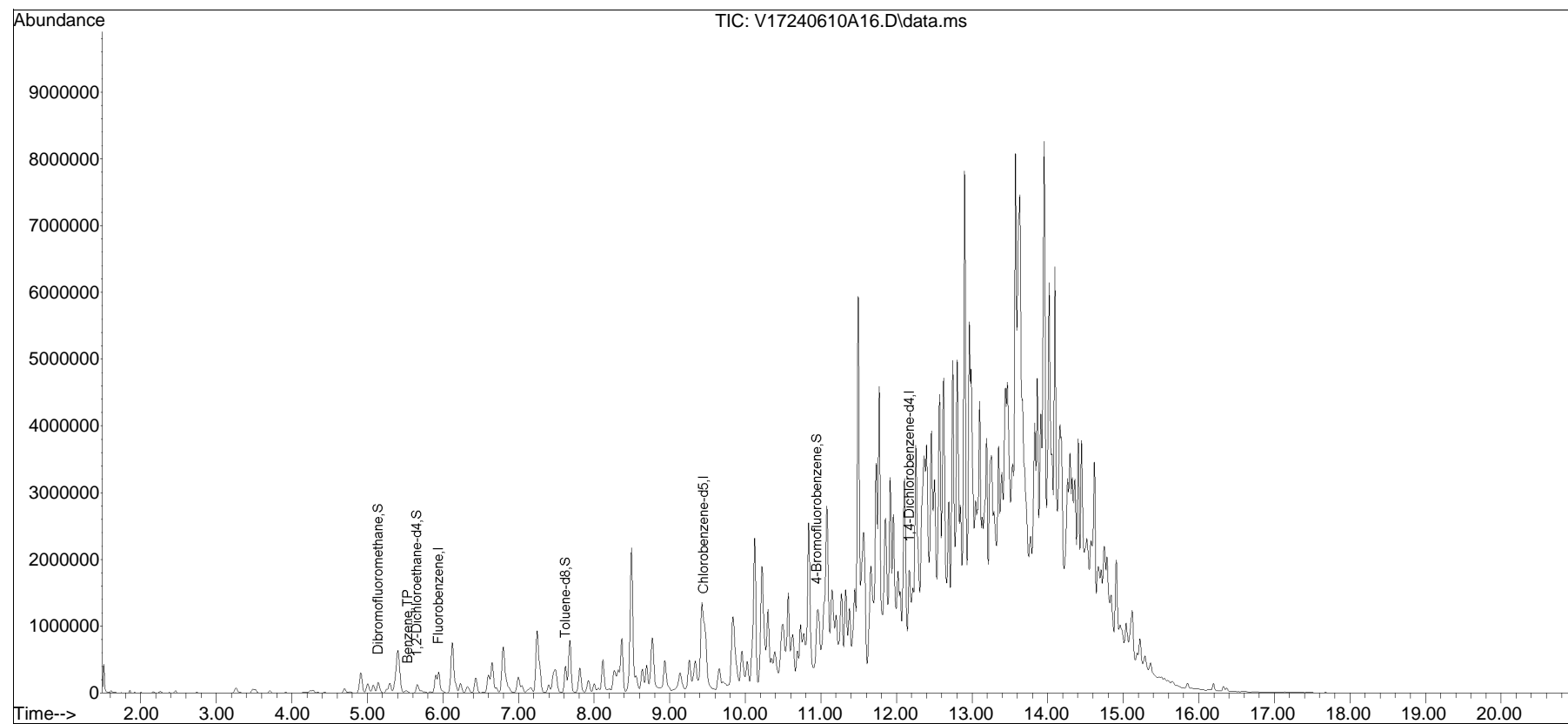


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A16.D
Acq On : 10 Jun 2024 01:45 pm
Operator : VOA117:JIC
Sample : L2430771-05,31,4.44,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 11 07:55:56 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

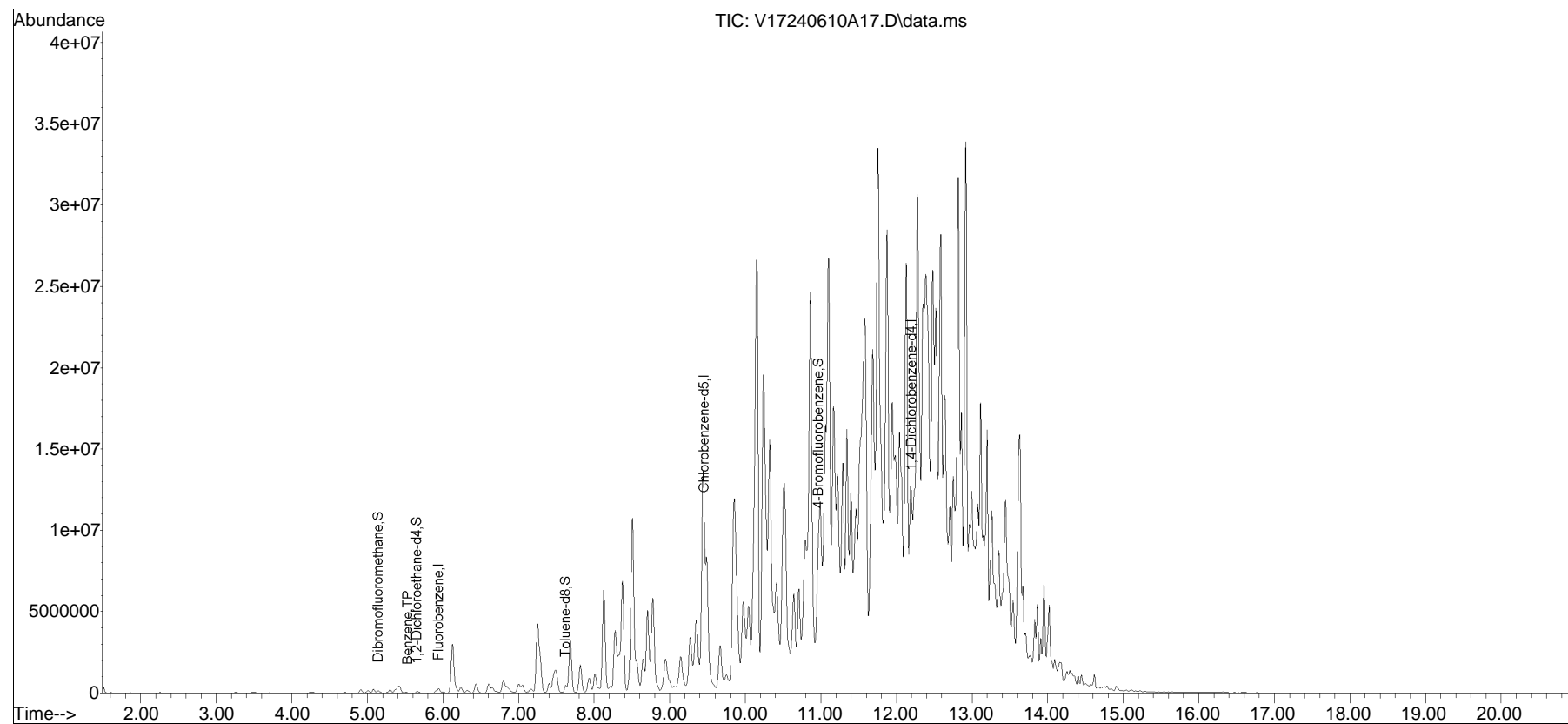


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A17.D
Acq On : 10 Jun 2024 02:11 pm
Operator : VOA117:JIC
Sample : L2430771-06,31,5.28,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 11 08:04:22 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

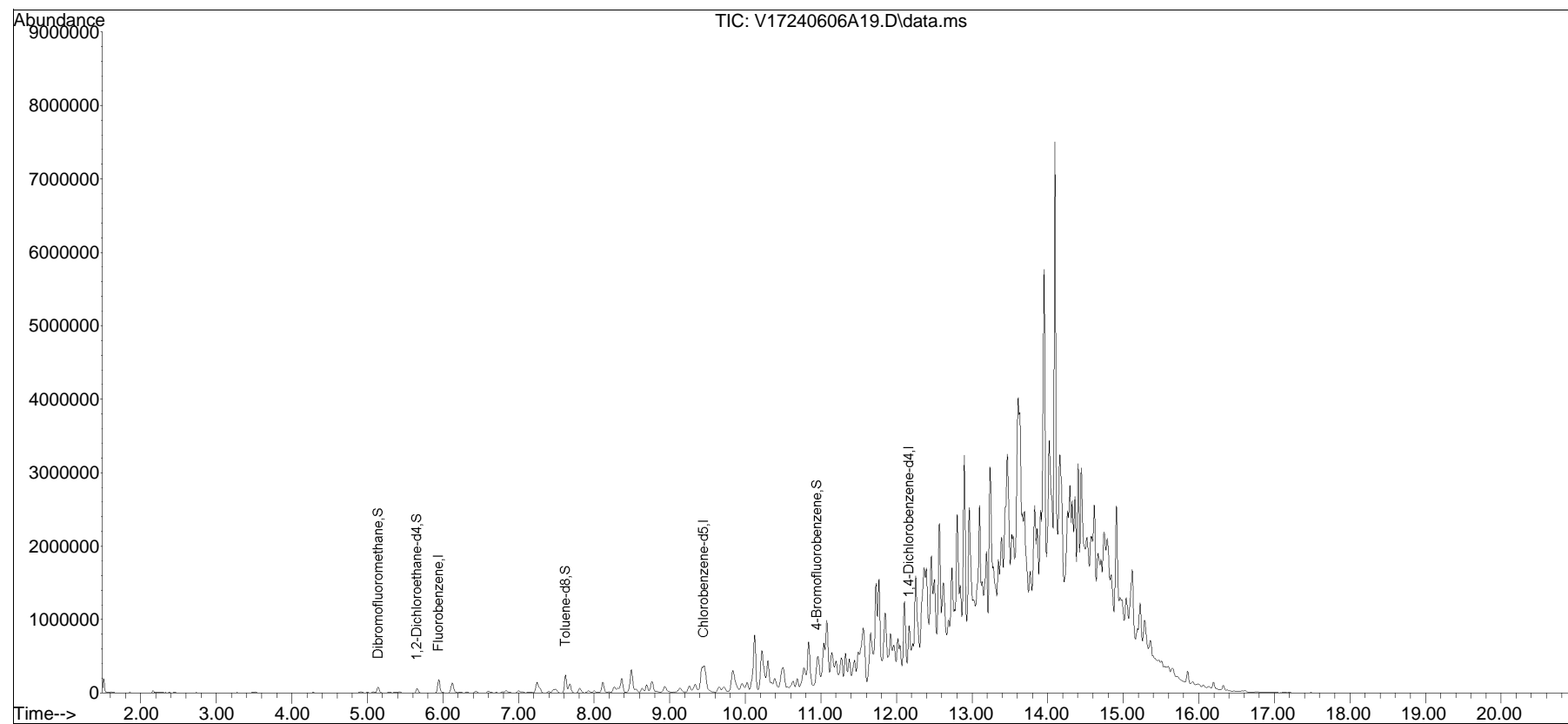


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240606A\
Data File : V17240606A19.D
Acq On : 06 Jun 2024 04:26 pm
Operator : VOA117:LAC
Sample : L2430771-07,31,5.10,5,,Y
Misc : WG1931171,ICAL20984
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 06 16:48:54 2024
Quant Method : K:\VOA117\2024\240606A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240606A01.D•

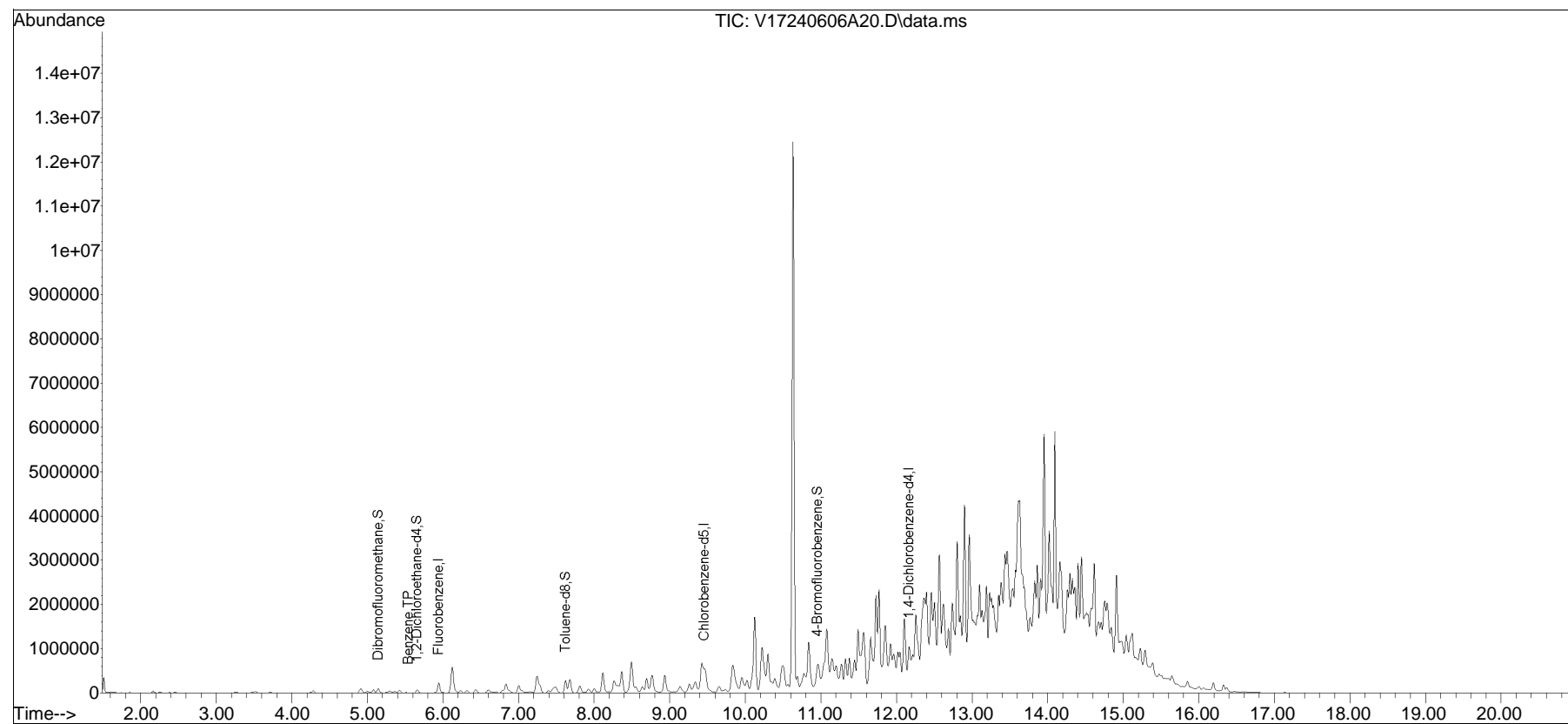


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240606A\
Data File : V17240606A20.D
Acq On : 06 Jun 2024 04:53 pm
Operator : VOA117:LAC
Sample : L2430771-08,31,3.63,5,,Y
Misc : WG1931171,ICAL20984
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 06 17:46:14 2024
Quant Method : K:\VOA117\2024\240606A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240606A01.D•

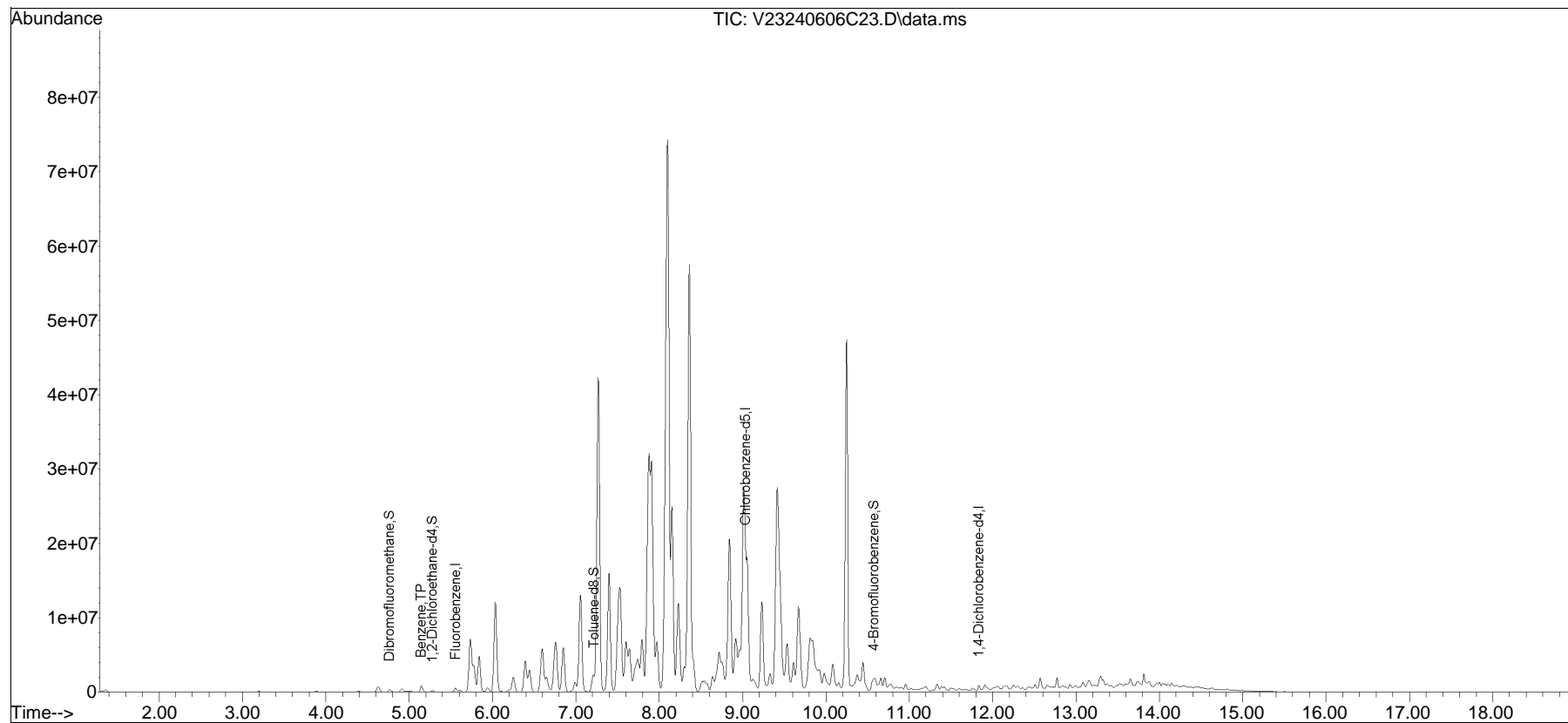


Quantitation Report (QT Reviewed)

Data Path : K:\VOA123\2024\240606C\
Data File : V23240606C23.D
Acq On : 06 Jun 2024 11:46 pm
Operator : VOA123:JIC
Sample : L2430771-14,31,4.97,5,,Z
Misc : WG1931215,ICAL21135
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 07 08:21:48 2024
Quant Method : K:\VOA123\2024\240606C\V123_240515N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 16 08:54:55 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV23240606C01.D•

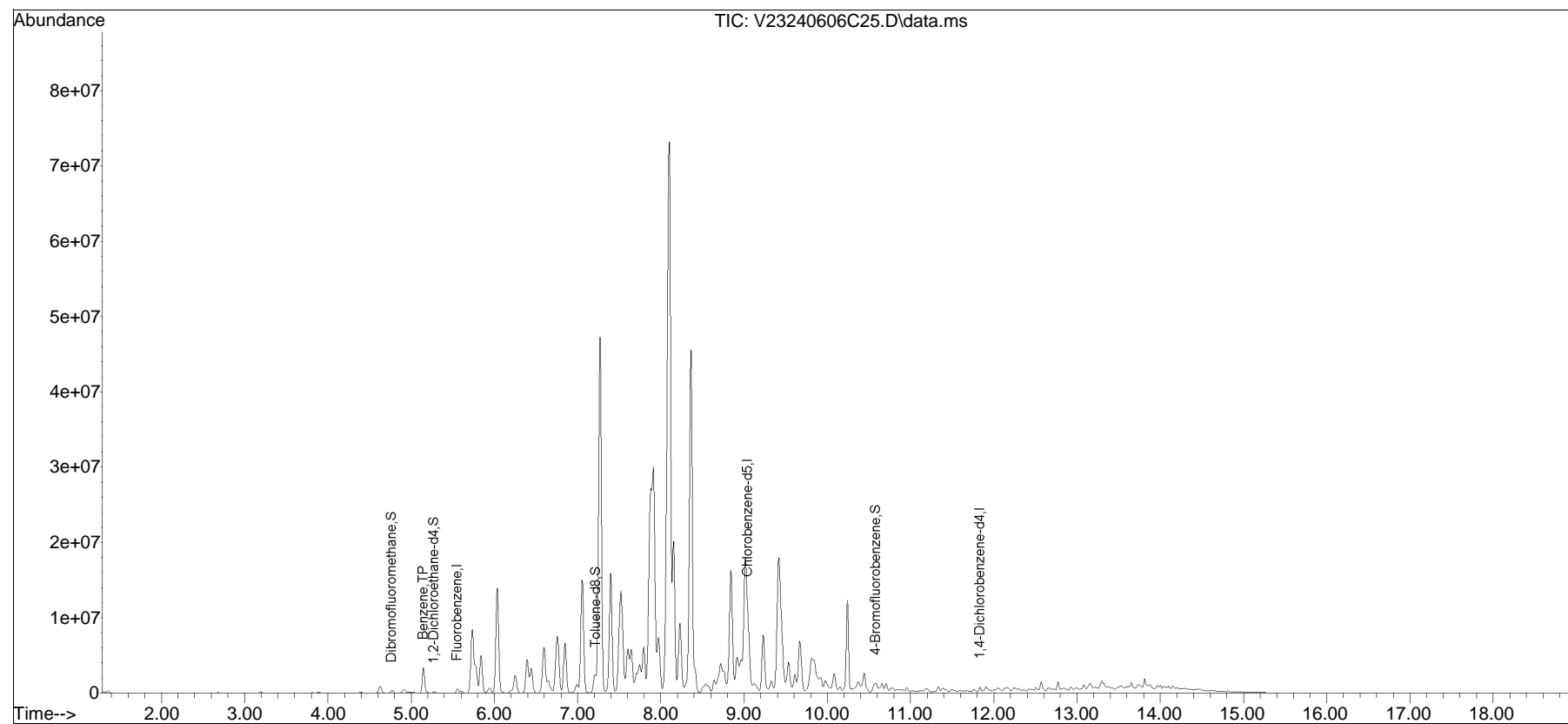


Quantitation Report (QT Reviewed)

Data Path : K:\VOA123\2024\240606C\
Data File : V23240606C25.D
Acq On : 07 Jun 2024 12:37 am
Operator : VOA123:JIC
Sample : L2430771-16,31,4.35,5,,Z
Misc : WG1931215,ICAL21135
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 08:21:59 2024
Quant Method : K:\VOA123\2024\240606C\V123_240515N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 16 08:54:55 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV23240606C01.D•





ANALYTICAL REPORT

Lab Number:	L2431121
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/12/24

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431121-01	GPR1205-01-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:40	06/05/24
L2431121-02	GPR1205-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:30	06/05/24
L2431121-03	GPR1205-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:00	06/05/24
L2431121-04	GPR1205-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:20	06/05/24
L2431121-05	GPR1205-06-SS01	SOIL	PHILADELPHIA, PA	06/04/24 11:50	06/05/24
L2431121-06	GPR1205-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:10	06/05/24
L2431121-07	GPR1205-08-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:35	06/05/24
L2431121-08	GPR1208-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:30	06/05/24
L2431121-09	GPR1208-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:40	06/05/24
L2431121-10	GPR1208-05-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:45	06/05/24
L2431121-11	GPR1209-01-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:30	06/05/24
L2431121-12	GPR1209-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:00	06/05/24
L2431121-13	GPR1209-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 07:50	06/05/24
L2431121-14	GPR1209-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 07:40	06/05/24
L2431121-15	GPR1209-06-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:40	06/05/24
L2431121-16	GPR1209-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 07:35	06/05/24
L2431121-17	GPR1209-10-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:10	06/05/24
L2431121-18	GPR1211-05-SS01	SOIL	PHILADELPHIA, PA	06/04/24 14:20	06/05/24
L2431121-19	GPR1213-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 14:10	06/05/24
L2431121-20	GPR1213-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 14:30	06/05/24
L2431121-21	GPR1213-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 13:45	06/05/24
L2431121-22	GPR1213-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 13:55	06/05/24
L2431121-23	GPR1214-01-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:55	06/05/24
L2431121-24	GPR1214-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:00	06/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431121-25	GPR1214-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 11:40	06/05/24
L2431121-26	GPR1214-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:20	06/05/24
L2431121-27	GPR1214-05-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:10	06/05/24
L2431121-28	GPR1214-06-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:30	06/05/24
L2431121-29	GPR1214-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:35	06/05/24
L2431121-30	GPR1214-08-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:45	06/05/24
L2431121-31	TB-060424	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/05/24
L2431121-32	FB-060424	WATER	PHILADELPHIA, PA	06/04/24 13:00	06/05/24
L2431121-33	DUP-57	SOIL	PHILADELPHIA, PA	06/04/24 09:40	06/05/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Case Narrative (continued)

Report Submission

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

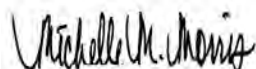
Sample Receipt

The analyses performed were specified by the client.

L2431121-31: The Client ID was specified by the client.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/12/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-01 D
 Client ID: GPR1205-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 10:40
 Analyst: JIC
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	170		mg/kg	0.67	0.22	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-02
 Client ID: GPR1205-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:24
 Analyst: LAC
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00032	J	mg/kg	0.00075	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-03
 Client ID: GPR1205-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 11:06
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
--	--	--	--	--	--	--

Benzene	5.3		mg/kg	0.058	0.019	1
---------	-----	--	-------	-------	-------	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-04
 Client ID: GPR1205-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:20
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:50
 Analyst: LAC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00045	J	mg/kg	0.00073	0.00024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-05
 Client ID: GPR1205-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:50
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 17:16
 Analyst: LAC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.014		mg/kg	0.00080	0.00027	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-06
 Client ID: GPR1205-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 17:42
 Analyst: LAC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0027		mg/kg	0.00077	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-07
 Client ID: GPR1205-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:35
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 18:08
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0030		mg/kg	0.00087	0.00029	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-08
 Client ID: GPR1208-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 18:34
 Analyst: JIC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00070		mg/kg	0.00063	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-09
 Client ID: GPR1208-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 19:00
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.015		mg/kg	0.00064	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-10
 Client ID: GPR1208-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:45
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 11:33
 Analyst: JIC
 Percent Solids: 47%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	2.7		mg/kg	0.095	0.032	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-11
 Client ID: GPR1209-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 08:54
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0018		mg/kg	0.00077	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	113		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-12
 Client ID: GPR1209-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 09:20
 Analyst: JIC
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		mg/kg	0.00055	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-13
 Client ID: GPR1209-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:50
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 09:46
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00092		mg/kg	0.00078	0.00026	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-14
 Client ID: GPR1209-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 10:13
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.013		mg/kg	0.00098	0.00033	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-15
 Client ID: GPR1209-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 10:39
 Analyst: JIC
 Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.020		mg/kg	0.00092	0.00030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-16
 Client ID: GPR1209-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:35
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 14:49
 Analyst: JIC
 Percent Solids: 64%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	3.6		mg/kg	0.062	0.021	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-17 D
 Client ID: GPR1209-10-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 16:08
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	420		mg/kg	4.4	1.4	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-18 D
 Client ID: GPR1211-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:20
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 16:35
 Analyst: JIC
 Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	30000		mg/kg	210	23.	2000
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-19 D
 Client ID: GPR1213-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 17:02
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	22000		mg/kg	200	22.	2000
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-20
 Client ID: GPR1213-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 15:42
 Analyst: JIC
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1.0		mg/kg	0.11	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-21 D
 Client ID: GPR1213-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:45
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 17:28
 Analyst: JIC
 Percent Solids: 59%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	16000		mg/kg	310	34.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-22 D
 Client ID: GPR1213-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:55
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 22:50
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	21000		mg/kg	160	18.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-23
 Client ID: GPR1214-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:55
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 11:06
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00031	J	mg/kg	0.00067	0.00022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-24
 Client ID: GPR1214-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 11:32
 Analyst: JIC
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.085		mg/kg	0.00076	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-25
 Client ID: GPR1214-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 11:58
 Analyst: JIC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.036		mg/kg	0.00092	0.00030	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-26
 Client ID: GPR1214-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:20
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 12:25
 Analyst: JIC
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00030	J	mg/kg	0.00064	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-27
 Client ID: GPR1214-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 12:52
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.038		mg/kg	0.00088	0.00029	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-28
 Client ID: GPR1214-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 13:18
 Analyst: JIC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.0078		mg/kg	0.00085	0.00028	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-29
 Client ID: GPR1214-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:35
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 13:56
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00055	J	mg/kg	0.00067	0.00022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-30
 Client ID: GPR1214-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:45
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 15:15
 Analyst: JIC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	1.7		mg/kg	0.035	0.012	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-31
 Client ID: TB-060424
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 12:41
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-32
 Client ID: FB-060424
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 13:06
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-33
 Client ID: DUP-57
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 14:22
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00044	J	mg/kg	0.00063	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 15:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04-09 Batch: WG1931215-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/07/24 08:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 11-15,23-29,33 Batch: WG1932036-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 08:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16-21,30 Batch: WG1932037-5					
Benzene	ND		mg/kg	0.025	0.0083
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 31-32 Batch: WG1932442-5					
Benzene	ND		ug/l	0.50	0.16
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03,10 Batch: WG1932633-5					
Benzene	ND		mg/kg	0.025	0.0083

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 14:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1933253-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04-09 Batch: WG1931215-3 WG1931215-4								
Benzene	80		77		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	78		79		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 11-15,23-29,33 Batch: WG1932036-3 WG1932036-4								
Benzene	88		84		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		85		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	90		91		70-130
Dibromofluoromethane	97		100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16-21,30 Batch: WG1932037-3 WG1932037-4								
Benzene	88		84		70-130	5		30
Isopropylbenzene	96		90		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		85		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	90		91		70-130
Dibromofluoromethane	97		100		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 31-32 Batch: WG1932442-3 WG1932442-4								
Benzene	110		100		70-130	10		20
Isopropylbenzene	100		100		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03,10 Batch: WG1932633-3 WG1932633-4								
Benzene	87		87		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		89		70-130
Dibromofluoromethane	97		97		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1933253-3 WG1933253-4								
Isopropylbenzene	86		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	97		98		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-01
Client ID: GPR1205-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.2		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-02
Client ID: GPR1205-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-03
Client ID: GPR1205-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-04
Client ID: GPR1205-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:20
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-05
Client ID: GPR1205-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.8		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-06
Client ID: GPR1205-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.4		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-07
Client ID: GPR1205-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-08
Client ID: GPR1208-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-09
Client ID: GPR1208-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-10
Client ID: GPR1208-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:45
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	47.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-11
Client ID: GPR1209-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-12
Client ID: GPR1209-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-13
Client ID: GPR1209-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-14
Client ID: GPR1209-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.7		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-15
Client ID: GPR1209-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.1		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-16
Client ID: GPR1209-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	63.8		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-17
Client ID: GPR1209-10-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-18
Client ID: GPR1211-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:20
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.6		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-19
Client ID: GPR1213-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-20
Client ID: GPR1213-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.5		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-21
Client ID: GPR1213-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:45
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	58.6		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-22
Client ID: GPR1213-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:55
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-23
Client ID: GPR1214-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:55
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-24
Client ID: GPR1214-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.9		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-25
Client ID: GPR1214-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.8		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-26
Client ID: GPR1214-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:20
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-27
Client ID: GPR1214-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.1		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-28
Client ID: GPR1214-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.8		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-29
Client ID: GPR1214-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-30
Client ID: GPR1214-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:45
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-33
Client ID: DUP-57
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1930486-1 QC Sample: L2431121-01 Client ID: GPR1205-01-SS01						
Solids, Total	62.2	56.9	%	9		20
General Chemistry - Westborough Lab Associated sample(s): 21-30,33 QC Batch ID: WG1930488-1 QC Sample: L2431121-21 Client ID: GPR1213-04-SS01						
Solids, Total	58.6	63.5	%	8		20

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**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(*)
L2431121-01A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-01X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-01Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-02A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-02X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-02Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-03A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-03X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-03Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-04A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-04B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-04C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-04D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-04X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-04Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-04Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-05A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-05X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-05Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-06A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-06X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-06Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-07A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-07X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-07Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-08A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-08B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-08C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-08D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-08X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-08Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-08Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-09A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-09X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-09Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-10A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-10X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-10Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-11A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-11X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-11Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-12A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-12B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-12C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-12D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-12X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-12Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-12Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-13A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-13X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-13Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-14A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-14X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-14Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-15A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-15X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-15Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-16A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-16B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-16C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-16D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-16X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-16Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-16Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-17A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-17X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-17Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-18A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-18X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW(14)
L2431121-18Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW(14)
L2431121-19A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-19X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-19Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-20A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-20B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-20C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-20D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-20X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-20Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-20Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-21A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-21X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-21Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-22A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-22X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-22Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-23A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-23X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-23Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-24A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-24B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-24C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-24D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-24X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-24Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-24Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-25A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-25X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-25Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-26A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-26X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-26Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-27A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-27X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-27Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-28A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-28B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-28C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-28D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-28X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-28Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-28Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-29A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-29X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-29Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-30A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-30X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-30Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-31A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-31B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-32A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-32B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-32C	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-33A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-33X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-33Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)

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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.

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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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.)

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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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



CHAIN OF CUSTODY

PAGE 4 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-8193

MANFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information
 Client: Ransom Consulting, LLC
 Address: 2127 Hamilton Ave,
Hamilton, NJ 08611
 Phone: 609.584.0090
 Fax: 609.584.0090
 Email: william.schmidt@ransomenv.com

These samples have been previously analyzed by Alpha

Project Information

Project Name: PESRM
 Project Location: Philadelphia, PA
 Project #: 200.00135
 Project Manager: Bill Schmidt
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-qualified)
 Date Due: _____ Time: _____

Date Rec'd in Lab: 6/6/24 ALPHA Job #: L2431121

Report Information - Data Deliverables
 FAX EMAIL
 ADEx Add'l Deliverables

Billing Information
 Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: PADEP Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS	Benzene	TOTAL # BOTTLES
	<p>SAMPLE HANDLING</p> Filtration _____ <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below) Sample Specific Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	
		Date	Time			
31121-31	Trip Blank	5/31/24		TB	/	✓
32	FB-060424	6/4/24	13:00	FB	DP	✓
33	DUP-57	6/4/24	9:40	S	DP	✓

Container Type _____
 Preservative _____

Relinquished By: <u>Anthony Green</u>	Date/Time: <u>6/5/24 1045</u> <u>6/5/24 1430</u> <u>6/6/24 0135</u> <u>6/6/24 0345</u>	Received By: <u>Anthony Green</u>	Date/Time: <u>6/5/24 1045</u> <u>JUN 05 2024 0145</u> <u>6/6/24 0135</u> <u>6/6/24 0345</u>
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Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.



ANALYTICAL REPORT

Lab Number:	L2431516
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/13/24

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

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431516-01	GPR1211-01-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:30	06/06/24
L2431516-02	GPR1211-02-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:55	06/06/24
L2431516-03	GPR1211-03-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:10	06/06/24
L2431516-04	GPR1211-04-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:10	06/06/24
L2431516-05	GPR1211-07-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:30	06/06/24
L2431516-06	GPR1211-08-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:20	06/06/24
L2431516-07	GPR1211-09-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:00	06/06/24
L2431516-08	GPR1212-01-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:30	06/06/24
L2431516-09	GPR1212-03-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:20	06/06/24
L2431516-10	GPR1212-04-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:40	06/06/24
L2431516-11	GPR1212-05-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:40	06/06/24
L2431516-12	GPR1212-06-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:55	06/06/24
L2431516-13	GPR1212-07-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:50	06/06/24
L2431516-14	GPR1212-08-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:30	06/06/24
L2431516-15	GPR1212-09-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:20	06/06/24
L2431516-16	GPR1212-10-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:05	06/06/24
L2431516-17	GPR1213-01-SS01	SOIL	PHILADELPHIA, PA	06/05/24 07:50	06/06/24
L2431516-18	GPR1213-05-SS01	SOIL	PHILADELPHIA, PA	06/05/24 07:40	06/06/24
L2431516-19	GPR1213-06-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:25	06/06/24
L2431516-20	GPR1218-07-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:45	06/06/24
L2431516-21	DUP-58	SOIL	PHILADELPHIA, PA	06/05/24 11:10	06/06/24
L2431516-22	FB-060524	WATER	PHILADELPHIA, PA	06/05/24 12:30	06/06/24
L2431516-23	TB-060524	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/06/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2431516-17: The collection date and time on the chain of custody was 05-JUN-24 07:50; however, the collection date/time on the container label was 05-JUN-24 07:45. At the client's request, the collection date/time is reported as 05-JUN-24 07:50.

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:  Kelly O'Neill

Title: Technical Director/Representative

Date: 06/13/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-01 D
 Client ID: GPR1211-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 20:36
 Analyst: JIC
 Percent Solids: 57%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	27000		mg/kg	320	35.	2000
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-02 D
 Client ID: GPR1211-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:55
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 17:02
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	40.		mg/kg	0.22	0.024	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-03
 Client ID: GPR1211-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 17:29
 Analyst: JIC
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	0.15		mg/kg	0.13	0.014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-04 D
 Client ID: GPR1211-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 21:03
 Analyst: JIC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	23000		mg/kg	240	26.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-05
 Client ID: GPR1211-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 17:42
 Analyst: JIC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	8.0		mg/kg	0.11	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-06
 Client ID: GPR1211-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:20
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 18:08
 Analyst: JIC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	7.4		mg/kg	0.096	0.010	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-07 D
 Client ID: GPR1211-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:00
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 21:29
 Analyst: JIC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	30000		mg/kg	410	45.	4000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-08
 Client ID: GPR1212-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 17:56
 Analyst: JIC
 Percent Solids: 52%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	6.6		mg/kg	0.17	0.018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-09 D
 Client ID: GPR1212-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:20
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 21:56
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	6000		mg/kg	80	8.7	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-10 D
 Client ID: GPR1212-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:40
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 22:23
 Analyst: JIC
 Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	55000		mg/kg	250	28.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-11
 Client ID: GPR1212-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:40
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 11:38
 Analyst: JIC
 Percent Solids: 63%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	0.16		mg/kg	0.12	0.013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-12
 Client ID: GPR1212-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:55
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 18:49
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	3.2		mg/kg	0.10	0.011	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-13 D
 Client ID: GPR1212-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:50
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 19:16
 Analyst: JIC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1500		mg/kg	10	1.1	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-14
 Client ID: GPR1212-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 19:43
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	12.		mg/kg	0.10	0.011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-15 D
 Client ID: GPR1212-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:20
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 20:09
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	510		mg/kg	7.1	0.77	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-16
 Client ID: GPR1212-10-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:05
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 11:12
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00014	J	mg/kg	0.0010	0.00011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	116		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-17
 Client ID: GPR1213-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:50
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 17:28
 Analyst: JIC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0042		mg/kg	0.0014	0.00015	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-18
 Client ID: GPR1213-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:40
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 10:45
 Analyst: JIC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00058	J	mg/kg	0.0015	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	117		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-19
 Client ID: GPR1213-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:25
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:42
 Analyst: JIC
 Percent Solids: 64%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	9.6		mg/kg	0.11	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-20
 Client ID: GPR1218-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:45
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:16
 Analyst: JIC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	0.12		mg/kg	0.088	0.0096	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-21
 Client ID: DUP-58
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 14:50
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0028		mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-22
 Client ID: FB-060524
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 12:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 11:18
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-23
 Client ID: TB-060524
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 16:04
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG1932442-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05-06 Batch: WG1932633-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 10:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1933118-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/11/24 14:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21 Batch: WG1933252-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 14:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,07-10,12-15,19-20 Batch: WG1933253-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 14:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 17 Batch: WG1933909-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16,18 Batch: WG1933921-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1933922-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 23 Batch: WG1932442-3 WG1932442-4								
Isopropylbenzene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-06 Batch: WG1932633-3 WG1932633-4								
Isopropylbenzene	92		92		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		89		70-130
Dibromofluoromethane	97		97		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1933118-3 WG1933118-4								
Isopropylbenzene	100		92		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	107		108		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21 Batch: WG1933252-3 WG1933252-4								
Isopropylbenzene	86		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	97		98		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,07-10,12-15,19-20 Batch: WG1933253-3 WG1933253-4								
Isopropylbenzene	86		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 17 Batch: WG1933909-3 WG1933909-4								
Isopropylbenzene	81		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16,18 Batch: WG1933921-3 WG1933921-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		88		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1933922-3 WG1933922-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		89		70-130
Dibromofluoromethane	100		101		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-01
Client ID: GPR1211-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:30
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57.0		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-02
Client ID: GPR1211-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:55
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-03
Client ID: GPR1211-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:10
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	61.8		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-04
 Client ID: GPR1211-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.5		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-05
Client ID: GPR1211-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:30
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-06
Client ID: GPR1211-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:20
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-07
 Client ID: GPR1211-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:00
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.7		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-08
Client ID: GPR1212-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:30
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	52.1		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-09
Client ID: GPR1212-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:20
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-10
Client ID: GPR1212-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:40
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.0		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-11
Client ID: GPR1212-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:40
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	63.4		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-12
Client ID: GPR1212-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:55
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.8		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-13
Client ID: GPR1212-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:50
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.4		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-14
Client ID: GPR1212-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:30
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-15
Client ID: GPR1212-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:20
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.3		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-16
Client ID: GPR1212-10-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:05
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-17
Client ID: GPR1213-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:50
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-18
Client ID: GPR1213-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:40
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.7		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-19
Client ID: GPR1213-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:25
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	64.4		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-20
Client ID: GPR1218-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:45
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-21
Client ID: DUP-58
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:10
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1931052-1 QC Sample: L2431516-01 Client ID: GPR1211-01-SS01						
Solids, Total	57.0	57.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 17-21 QC Batch ID: WG1931054-1 QC Sample: L2431781-03 Client ID: DUP Sample						
Solids, Total	83.6	83.5	%	0		20

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-01A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-01X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-01Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-02A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-02X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-02Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-03A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-03X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-03Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-04A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-04B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-04C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-04D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-04X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-04Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-04Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-05A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-05X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-05Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-06A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-06X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-06Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-07A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-07X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-07Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-08A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-08B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-08C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-08D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-08X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-08Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-08Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-09A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-09X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-09Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-10A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-10X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-10Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-11A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-11X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-11Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-12A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-12B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-12C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-12D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-12X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-12Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-12Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-13A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-13X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-13Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-14A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-14X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-14Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-15A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-15X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-15Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-16A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-16B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-16C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-16D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-16X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-16Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-16Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-17A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-17X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 07:44	PA-8260HLW(14)
L2431516-17Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 07:44	PA-8260HLW(14)
L2431516-18A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-18X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-18Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-19A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-19X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-19Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-20A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-20B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-20C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-20D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-20X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-20Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-20Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-21A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-21X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-21Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-22A	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-22B	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-22C	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-23A	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-23B	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

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



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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



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Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



CHAIN OF CUSTODY

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WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Ransom Consulting, LLC
Address: 2127 Hamilton Ave
Hamilton, NJ 08619
Phone: 609.584.0090
Fax: 609.584.1190
Email: william.schmidt@ransomenv.com

These samples have been previously analyzed by Alpha

Project Information

Project Name: PESRM
Project Location: Philadelphia, PA
Project #: Z00.00135
Project Manager: Bill Schmidt
ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: _____ Time: _____

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 6/6/24

ALPHA Job #: L2431516

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: PADEP Criteria:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
31516-01	GPR1211-01-SS01	6/5/24	9:30	S	DP
02	GPR1211-02-SS01		8:55		
03	GPR1211-03-SS01		9:10		
04	GPR1211-04-SS01		8:10		
05	GPR1211-07-SS01		8:30		
06	GPR1211-08-SS01		8:20		
07	GPR1211-09-SS01		8:00		
08	GPR1212-01-SS01		13:30		
09	GPR1212-03-SS01		13:20		
10	GPR1212-04-SS01		11:40		

ANALYSIS	Benzene	TOTAL # BOTTLES
	Cumene	
SAMPLE HANDLING		
Filtration _____		
<input type="checkbox"/> Done		
<input type="checkbox"/> Not needed		
<input type="checkbox"/> Lab to do		
Preservation		
<input type="checkbox"/> Lab to do		
(Please specify below)		
Sample Specific Comments		

Container Type: E
Preservative:

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

Relinquished By:	Date/Time	Received By:	Date/Time
<u>MSMA(AN)</u>	<u>6/6/24 16:00</u>	<u>MSMA(AN)</u>	<u>6/6/24 18:00</u>
<u>Christine PACE</u>	<u>6/6/24 23:25</u>	<u>Christine PACE</u>	<u>6/6/24 23:25</u>



ANALYTICAL REPORT

Lab Number:	L2431861
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/14/24

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431861-01	GPR1212-02-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:25	06/07/24
L2431861-02	GPR1215-07-SS01	SOIL	PHILADELPHIA, PA	06/06/24 14:10	06/07/24
L2431861-03	GPR1215-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 14:15	06/07/24
L2431861-04	GPR1216-02-SS01	SOIL	PHILADELPHIA, PA	06/06/24 14:00	06/07/24
L2431861-05	GPR1216-03-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:55	06/07/24
L2431861-06	GPR1216-04-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:25	06/07/24
L2431861-07	GPR1216-05-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:35	06/07/24
L2431861-08	GPR1216-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:20	06/07/24
L2431861-09	GPR1216-07-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:30	06/07/24
L2431861-10	GPR1216-08-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:15	06/07/24
L2431861-11	GPR1217-01-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:40	06/07/24
L2431861-12	GPR1217-05-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:05	06/07/24
L2431861-13	GPR1217-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:35	06/07/24
L2431861-14	GPR1217-07-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:20	06/07/24
L2431861-15	GPR1218-01-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:15	06/07/24
L2431861-16	GPR1218-02-SS01	SOIL	PHILADELPHIA, PA	06/06/24 07:40	06/07/24
L2431861-17	GPR1218-03-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:10	06/07/24
L2431861-18	GPR1218-04-SS01	SOIL	PHILADELPHIA, PA	06/06/24 07:50	06/07/24
L2431861-19	GPR1218-05-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:00	06/07/24
L2431861-20	GPR1218-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 07:30	06/07/24
L2431861-21	DUP-59	SOIL	PHILADELPHIA, PA	06/06/24 08:25	06/07/24
L2431861-22	FB-060624	WATER	PHILADELPHIA, PA	06/06/24 12:40	06/07/24
L2431861-23	TB-060624	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/07/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Case Narrative (continued)

Report Submission

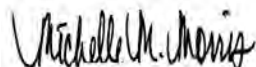
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The Client IDs were specified by the client.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/14/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-01
 Client ID: GPR1212-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:25
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 00:29
 Analyst: MKS
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00050	J	mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-02
 Client ID: GPR1215-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:10
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 02:59
 Analyst: MKS
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-03
 Client ID: GPR1215-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 03:39
 Analyst: MKS
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-04
 Client ID: GPR1216-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 04:36
 Analyst: MKS
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-05 D
 Client ID: GPR1216-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:55
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 12:04
 Analyst: JIC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	470		mg/kg	6.5	0.71	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-06
 Client ID: GPR1216-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:25
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 13:24
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	33.		mg/kg	0.12	0.013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-07
 Client ID: GPR1216-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:35
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 13:50
 Analyst: JIC
 Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	6.5		mg/kg	0.12	0.013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-08
 Client ID: GPR1216-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 05:20
 Analyst: MKS
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00039	J	mg/kg	0.0010	0.00011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-09
 Client ID: GPR1216-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 12:31
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	15.		mg/kg	0.078	0.0085	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-10 D
 Client ID: GPR1216-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 12:58
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	160		mg/kg	0.54	0.059	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-11
 Client ID: GPR1217-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 09:00
 Analyst: JIC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00018	J	mg/kg	0.0011	0.00012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	117		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-12
 Client ID: GPR1217-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:05
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 09:26
 Analyst: JIC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00054	J	mg/kg	0.0017	0.00019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	116		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-13
 Client ID: GPR1217-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:35
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 09:53
 Analyst: JIC
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0015	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	117		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-14
 Client ID: GPR1217-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 10:19
 Analyst: JIC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00022	J	mg/kg	0.0010	0.00011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-15
 Client ID: GPR1218-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 21:40
 Analyst: RAW
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00043	J	mg/kg	0.0016	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-16 D
 Client ID: GPR1218-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 23:27
 Analyst: RAW
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	10000		mg/kg	150	16.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-17
 Client ID: GPR1218-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:10
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 22:07
 Analyst: RAW
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0020		mg/kg	0.0015	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-18 D
 Client ID: GPR1218-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:50
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 23:53
 Analyst: RAW
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	9300		mg/kg	170	19.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-19
 Client ID: GPR1218-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 22:34
 Analyst: RAW
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0013	J	mg/kg	0.0014	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-20 D
 Client ID: GPR1218-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 00:20
 Analyst: RAW
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	19000		mg/kg	240	26.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-21
 Client ID: DUP-59
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:25
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 23:00
 Analyst: RAW
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0028		mg/kg	0.0012	0.00013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-22
 Client ID: FB-060624
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:24
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-23
 Client ID: TB-060624
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:46
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/10/24 23:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,08 Batch: WG1932739-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/11/24 10:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22-23 Batch: WG1933118-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 11-14 Batch: WG1933921-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05-07,09-10 Batch: WG1933922-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15,17,19,21 Batch: WG1934117-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16,18,20 Batch: WG1934118-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,08 Batch: WG1932739-3 WG1932739-4								
Isopropylbenzene	102		94		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		84		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	95		97		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22-23 Batch: WG1933118-3 WG1933118-4								
Isopropylbenzene	100		92		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	107		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 11-14 Batch: WG1933921-3 WG1933921-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		88		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-07,09-10 Batch: WG1933922-3 WG1933922-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		89		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15,17,19,21 Batch: WG1934117-3 WG1934117-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,18,20 Batch: WG1934118-3 WG1934118-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-01
Client ID: GPR1212-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:25
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-02
Client ID: GPR1215-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:10
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-03
Client ID: GPR1215-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-04
Client ID: GPR1216-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-05
Client ID: GPR1216-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:55
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.9		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-06
Client ID: GPR1216-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:25
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.4		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-07
Client ID: GPR1216-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:35
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.0		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-08
Client ID: GPR1216-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-09
Client ID: GPR1216-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.8		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-10
Client ID: GPR1216-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.1		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-11
Client ID: GPR1217-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:40
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-12
Client ID: GPR1217-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:05
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.2		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-13
Client ID: GPR1217-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:35
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.5		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-14
Client ID: GPR1217-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-15
Client ID: GPR1218-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-16
Client ID: GPR1218-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:40
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-17
Client ID: GPR1218-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:10
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.6		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-18
Client ID: GPR1218-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:50
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-19
Client ID: GPR1218-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-20
Client ID: GPR1218-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-21
Client ID: DUP-59
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:25
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1931513-1 QC Sample: L2431861-01 Client ID: GPR1212-02-SS01						
Solids, Total	76.1	76.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 21 QC Batch ID: WG1931514-1 QC Sample: L2432102-01 Client ID: DUP Sample						
Solids, Total	83.0	86.1	%	4		20

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-01A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-01X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-01Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-02A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-02X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-02Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-03A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-03X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-03Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-04A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-04B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-04C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-04D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-04X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-04Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-04Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-05A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-05X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-05Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-06A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-06X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-06Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-07A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-07X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-07Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-08A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-08B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-08C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-08D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-08X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-08Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-08Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-09A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-09X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-09Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-10A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-10X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-10Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-11A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-11X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-11Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-12A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-12B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-12C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-12D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-12X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-12Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-12Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-13A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-13X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-13Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-14A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-14X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-14Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-15A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-15X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-15Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-16A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-16B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-16C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-16D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-16X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-16Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-16Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-17A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-17X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-17Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-18A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-18X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-18Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-19A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-19X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-19Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-20A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-20B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-20C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-20D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-20X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-20Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-20Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-21A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-21X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-21Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-22A	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-22B	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-22C	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-23A	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-23B	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

A



CHAIN OF CUSTODY

PAGE 1 OF 3

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information
 Client: Ransom Consulting, LLC
 Address: 2127 Hamilton Ave
Hamilton, NJ 08619
 Phone: 609 584 0090
 Fax: 609 584 1190
 Email: william.schmidt@ransomenv.com

Project Information
 Project Name: FESRM
 Project Location: Philadelphia, PA
 Project #: 200.00135
 Project Manager: Bill Schmidt
 ALPHA Quote #:

Date Rec'd in Lab: 6/17/24
Report Information - Data Deliverables
 FAX EMAIL
 ADEX Add'l Deliverables

ALPHA Job #: L2431861
Billing Information
 Same as Client info PO #:

Turn-Around Time
 Standard RUSH (only confirmed if pre-approved!)
 Date Due: _____ Time: _____

Regulatory Requirements/Report Limits
 State /Fed Program: PADEP
 Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS		TOTAL # BOTTLES

Cumene

SAMPLE HANDLING
 Filtration _____
 Done
 Not needed
 Lab to do
 Preservation
 Lab to do
 (Please specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
31861-01	GPR1212-02-SS01	6/6/24	12:25	S	DP
-02	GPR1215-05-SS01		14:10		
-03	GPR1215-06-SS01		14:15		
-04	GPR1216-02-SS01		14:00		
-05	GPR1216-03-SS01		13:55		
-06	GPR1216-04-SS01		13:25		
-07	GPR1216-05-SS01		13:55		
-08	GPR1216-06-SS01		13:20		
-09	GPR1216-07-SS01		12:30		
-10	GPR1216-08-SS01		12:15		

Container Type: E
 Preservative:

Relinquished By: <u>[Signature]</u> NJSC	Date/Time: <u>6-17-24 10:20</u>	Received By: <u>Paul Mazzeo</u> NJSC	Date/Time: <u>6-17-24 10:55</u>
	<u>6-7-24 14:30</u>	<u>Paul Mazzeo</u>	<u>6-17-24 16:55</u>

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

Paul Mazzeo 6/17/24 6/17/24 10:55 Paul Mazzeo 6/17/24 16:55 6/17/24 2340



ANALYTICAL REPORT

Lab Number:	L2432102
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/14/24

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

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432102-01	GPR1215-02-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:00	06/07/24
L2432102-02	GPR1217-03-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:10	06/07/24
L2432102-03	GPR1217-02-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:30	06/07/24
L2432102-04	GPR1215-04-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:55	06/07/24
L2432102-05	GPR1215-03-SS01	SOIL	PHILADELPHIA, PA	06/07/24 09:20	06/07/24
L2432102-06	GPR1215-05-SS01	SOIL	PHILADELPHIA, PA	06/07/24 09:30	06/07/24
L2432102-07	GPR1215-01-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:00	06/07/24
L2432102-08	GPR1217-04-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:30	06/07/24
L2432102-09	GPR1219-07-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:35	06/07/24
L2432102-10	GPR1215-09-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:50	06/07/24
L2432102-11	GPR1219-08-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:11	06/07/24
L2432102-12	GPR1215-08-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:20	06/07/24
L2432102-13	GPR1220-09-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:30	06/07/24
L2432102-14	GPR1220-08-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:40	06/07/24
L2432102-15	GPR1220-07-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:50	06/07/24
L2432102-16	GPR1219-06-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:00	06/07/24
L2432102-17	GPR1219-04-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:06	06/07/24
L2432102-18	GPR1219-03-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:15	06/07/24
L2432102-19	GPR1219-05-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:20	06/07/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Case Narrative (continued)

Report Submission

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

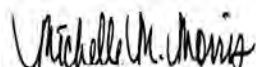
Sample Receipt

The Client IDs were specified by the client.

L2432102-15: The collection date and time on the chain of custody was 07-JUN-24 11:50; however, the collection date/time on the container label was 07-JUN-24 11:40. At the client's request, the collection date/time is reported as 07-JUN-24 11:50.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/14/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-01
 Client ID: GPR1215-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 00:47
 Analyst: RAW
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0018	0.00020	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	112		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-02
 Client ID: GPR1217-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:10
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 01:13
 Analyst: RAW
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by EPA 5035 Low - Westborough Lab						
---	--	--	--	--	--	--

Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	112		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-03
 Client ID: GPR1217-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 01:40
 Analyst: RAW
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	0.00017	J	mg/kg	0.0015	0.00017	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-04
 Client ID: GPR1215-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:55
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 02:07
 Analyst: RAW
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0019	0.00020	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-05
 Client ID: GPR1215-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 02:34
 Analyst: RAW
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0026	0.00029	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-06 D
 Client ID: GPR1215-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 05:15
 Analyst: RAW
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	240		mg/kg	6.5	0.71	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-07
 Client ID: GPR1215-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 03:01
 Analyst: RAW
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0027	0.00030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-08
 Client ID: GPR1217-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 03:27
 Analyst: RAW
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0023	0.00025	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-09
 Client ID: GPR1219-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:35
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 03:54
 Analyst: RAW
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0028	0.00031	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-10
 Client ID: GPR1215-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:50
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 04:21
 Analyst: RAW
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0014	0.00015	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-11
 Client ID: GPR1219-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:11
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 04:48
 Analyst: RAW
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0018	0.00020	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-12 D
 Client ID: GPR1215-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 05:42
 Analyst: RAW
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	3600		mg/kg	38	4.2	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-13 D
 Client ID: GPR1220-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 06:09
 Analyst: RAW
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	120		mg/kg	2.2	0.23	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	112		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-14
 Client ID: GPR1220-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 13:39
 Analyst: JIC
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	2.6		mg/kg	0.095	0.010	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-15
 Client ID: GPR1220-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:50
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 14:06
 Analyst: JIC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	12.		mg/kg	0.11	0.012	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	91		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-16
 Client ID: GPR1219-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 14:32
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	0.37		mg/kg	0.15	0.017	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-17
 Client ID: GPR1219-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:06
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 15:51
 Analyst: JIC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	11.		mg/kg	0.12	0.014	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-18 D
 Client ID: GPR1219-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 09:59
 Analyst: AJK
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	3000		mg/kg	76	8.3	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-19 D
 Client ID: GPR1219-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 10:26
 Analyst: AJK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1900		mg/kg	68	7.5	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05,07-11 Batch: WG1934117-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06,12-13 Batch: WG1934118-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/13/24 09:15
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14-17 Batch: WG1934474-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/14/24 08:40
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18-19 Batch: WG1934492-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05,07-11 Batch: WG1934117-3 WG1934117-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06,12-13 Batch: WG1934118-3 WG1934118-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14-17 Batch: WG1934474-3 WG1934474-4								
Isopropylbenzene	89		84		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	87		88		70-130
Dibromofluoromethane	102		101		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18-19 Batch: WG1934492-3 WG1934492-4								
Isopropylbenzene	106		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	97		98		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-01
Client ID: GPR1215-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-02
Client ID: GPR1217-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:10
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-03
Client ID: GPR1217-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-04
Client ID: GPR1215-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:55
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.7		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-05
Client ID: GPR1215-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-06
Client ID: GPR1215-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-07
Client ID: GPR1215-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-08
Client ID: GPR1217-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-09
Client ID: GPR1219-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:35
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-10
Client ID: GPR1215-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:50
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-11
Client ID: GPR1219-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:11
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-12
Client ID: GPR1215-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-13
Client ID: GPR1220-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-14
Client ID: GPR1220-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:40
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-15
Client ID: GPR1220-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:50
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-16
Client ID: GPR1219-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-17
Client ID: GPR1219-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:06
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-18
Client ID: GPR1219-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-19
Client ID: GPR1219-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Lab Duplicate Analysis
Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-19 QC Batch ID: WG1931514-1 QC Sample: L2432102-01 Client ID: GPR1215-02-SS01						
Solids, Total	83.0	86.1	%	4		20



Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**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(*)
L2432102-01A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-01X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-01Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-02A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-02X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-02Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-03A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-03X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-03Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-04A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-04B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-04C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-04D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-04X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-04Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-04Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-05A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-05X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-05Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-06A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-06X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-06Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-07A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-07X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-07Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-08A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-08B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-08C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-08D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-08X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-08Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-08Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-09A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-09X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-09Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-10A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-10X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-10Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-11A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-11X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-11Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-12A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-12B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-12C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-12D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-12X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-12Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-12Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-13A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-13X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-13Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-14A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-14X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-14Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-15A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-15X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-15Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-16A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-16B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-16C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-16D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-16X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-16Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-16Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-17A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-17X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-17Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-18A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-18X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-18Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-19A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-19X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-19Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
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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



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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



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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.)

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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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

 NEW JERSEY CHAIN OF CUSTODY		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 2		Date Rec'd In Lab 6/8/24		ALPHA Job # 12432102			
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9183		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: PESRM Project Location: Philadelphia, PA Project # 200-00135-014 (Use Project name as Project #) <input type="checkbox"/>		Deliverables: <input checked="" type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO#	
Client Information Client: Pansom Consulting Address: 2127 Hamilton Ave Hamilton, NJ Phone: 609 584 0900 Fax: Email: William.Schmidt@pansom.com		Project Manager: Bill Schmidt ALPHAQuote #: Turn-Around Time env.com Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input checked="" type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other		Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product:					
These samples have been previously analyzed by Alpha <input type="checkbox"/>		For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011		Other project specific requirements/comments: Please specify Metals or TAL.		ANALYSIS Cumene 8260		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Sample Specific Comments	
32102-01		GPR-1215-07-SS01		6/7/2024 0800		Soil		AL		* * *	
02		GPR-1217-03-SS01		0810				AL		* * *	
03		GPR-1217-02-SS01		0830				AL		* * *	
04		GPR-1215-04-SS01		0855				AL		* * *	
05		GPR-1215-03-SS01		0920				AL		* * *	
06		GPR-1215-05-SS01		0930				AL		* * *	
07		GPR-1215-01-SS01		1000				AL		* * *	
08		GPR-1217-04-SS01		1030				AL		* * *	
09		GPR-1219-07-SS01		1035				AL		* * *	
10		GPR-1215-09-SS01		1050				AL		* * *	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 E+P		Preservative N/A		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.)	
Relinquished By: Athena Sobush SSma		Date/Time 6/7/24 1500		Received By: SSma		Date/Time 6-7-24 1600		Date/Time 6/7/24 2200		Date/Time 6/8/24 0040	

 <p>NEW JERSEY CHAIN OF CUSTODY</p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>	<p><u>Service Centers</u></p> <p>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>		<p>Page</p> <p>2 of 2</p>	<p>Date Rec'd in Lab</p> <p>6/8/24</p>	<p>ALPHA Job #</p> <p>L2432102</p>				
	<p>Project Information</p> <p>Project Name: PESRM Project Location: Philadelphia, PA Project # 200.00135.014 (Use Project name as Project #) <input type="checkbox"/></p> <p>Project Manager: Bill Schmidt ALPHAQuote #:</p>		<p>Deliverables</p> <p><input checked="" type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other</p>		<p>Billing Information</p> <p><input type="checkbox"/> Same as Client Info PO #</p>				
<p>Client Information</p> <p>Client: Hanson Consulting Address: 2127 Hamilton Ave Hamilton NJ 08619 Phone: 609 584 0900 Fax: Email: william.schmidt@hansonmv.com</p>		<p>Turn-Around Time</p> <p>Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:</p>		<p>Regulatory Requirement *</p> <p><input checked="" type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other</p>					
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p>For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2</p>		<p>For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011</p> <p>Other project specific requirements/comments: Please specify Metals or TAL.</p>		<p>ANALYSIS</p> <p>Cumene 8260</p>					
<p>Sample Filtration</p> <p><input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)</p>		<p>Sample Specific Comments</p>		<p>Total Bottles</p>					
<p>ALPHA Lab ID (Lab Use Only)</p>	<p>Sample ID</p>	<p>Collection Date</p>	<p>Collection Time</p>	<p>Sample Matrix</p>	<p>Sampler's Initials</p>	<p>Analysis</p>	<p>Sample Specific Comments</p>	<p>Total Bottles</p>	
	37102-81	6/7/24	1111	Soil	AL	✓		4	
	12		1120		AL	✓		4	
	13		1130		AL	✓		4	
	14		1140		AL	✓		4	
	15		1150		AL	✓		4	
	16		1200		AL	✓		4	
	17		1206		AL	✓		4	
	18		1215		AL	✓		4	
	19		1220		AL	✓		4	
<p>Preservative Code: A = None B = HCl C = HNO₃ D = H₂SO₄ E = NaOH F = MeOH G = NaHSO₄ H = Na₂S₂O₈ K/E = Zn Ac/NaOH Q = Other</p>		<p>Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle</p>		<p>Westboro: Certification No: MA935 Mansfield: Certification No: MA015</p>		<p>Container Type: EAP Preservative: NA</p>		<p>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.)</p>	
<p>Relinquished By:</p>		<p>Date/Time</p>		<p>Received By:</p>		<p>Date/Time</p>			
Athena Johnson		6/7/24 1500		SSM		6-7-24 1600			
SSM		6-7-24 1524				6/9/24 18:52			
		6/8/24 040				6/7/24 2220			
						6/8/24 0040			



ANALYTICAL REPORT

Lab Number:	L2432380
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/17/24

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432380-01	FB-061024	WATER	PHILADELPHIA, PA	06/10/24 14:30	06/10/24
L2432380-02	GPR1220-06-SS01	SOIL	PHILADELPHIA, PA	06/10/24 09:30	06/10/24
L2432380-03	GPR1220-05-SS01	SOIL	PHILADELPHIA, PA	06/10/24 09:40	06/10/24
L2432380-04	GPR1219-01-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:00	06/10/24
L2432380-05	GPR1220-03-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:15	06/10/24
L2432380-06	GPR1220-04-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:30	06/10/24
L2432380-07	GPR1220-01-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:45	06/10/24
L2432380-08	GPR1220-02-SS01	SOIL	PHILADELPHIA, PA	06/10/24 11:00	06/10/24
L2432380-09	GPR1214-09-SS01	SOIL	PHILADELPHIA, PA	06/10/24 12:20	06/10/24
L2432380-10	GPR1209-08-SS01	SOIL	PHILADELPHIA, PA	06/10/24 12:35	06/10/24
L2432380-11	GPR1209-09-SS01	SOIL	PHILADELPHIA, PA	06/10/24 13:15	06/10/24
L2432380-12	GPR1209-05-SS01	SOIL	PHILADELPHIA, PA	06/10/24 13:40	06/10/24
L2432380-13	GPR1205-05-SS01	SOIL	PHILADELPHIA, PA	06/10/24 14:00	06/10/24
L2432380-14	DUP-61	SOIL	PHILADELPHIA, PA	06/10/24 14:10	06/10/24
L2432380-15	TB-061024	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/10/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

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: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2432380-01: The Client ID was specified by the client.

L2432380-15: A sample identified as "TB-061024" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

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

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/17/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-01
 Client ID: FB-061024
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:30
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 11:43
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-02
 Client ID: GPR1220-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:30
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/15/24 19:23
 Analyst: AJK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1.9		mg/kg	0.16	0.017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-03
 Client ID: GPR1220-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:40
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 14:34
 Analyst: AJK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	0.15		mg/kg	0.12	0.013	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-04
 Client ID: GPR1219-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/16/24 18:51
 Analyst: AJK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00076	J	mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-05
 Client ID: GPR1220-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:15
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 09:06
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0020	0.00022	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-06
 Client ID: GPR1220-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:30
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/16/24 18:25
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0048	0.00052	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-07
 Client ID: GPR1220-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:45
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 09:33
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0020	0.00022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-08
 Client ID: GPR1220-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 11:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 12:40
 Analyst: AJK
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0022	0.00024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-09
 Client ID: GPR1214-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:20
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 15:28
 Analyst: AJK
 Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	2.9		mg/kg	0.058	0.019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-10
 Client ID: GPR1209-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:35
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 13:07
 Analyst: AJK
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0031		mg/kg	0.00097	0.00032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-11 D
 Client ID: GPR1209-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:15
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 15:54
 Analyst: AJK
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	20.		mg/kg	0.25	0.084	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-12
 Client ID: GPR1209-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:40
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 13:34
 Analyst: AJK
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.0066		mg/kg	0.00072	0.00024	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-13 D
 Client ID: GPR1205-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 16:21
 Analyst: AJK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	180		mg/kg	0.50	0.17	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-14 D
 Client ID: DUP-61
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:10
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 16:48
 Analyst: AJK
 Percent Solids: 59%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	71.		mg/kg	0.72	0.24	10
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-15
 Client ID: TB-061024
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 12:05
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/14/24 08:40
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,07-08,10,12 Batch: WG1934490-5					
Benzene	ND		mg/kg	0.00050	0.00017
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/14/24 08:40
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03,09,11,13-14 Batch: WG1934492-5					
Benzene	ND		mg/kg	0.025	0.0083
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/14/24 07:40
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,15 Batch: WG1935086-5					
Benzene	ND		ug/l	0.50	0.16
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/15/24 10:34
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1935339-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/16/24 17:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,06 Batch: WG1935347-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,07-08,10,12 Batch: WG1934490-3 WG1934490-4								
Benzene	95		92		70-130	3		30
Isopropylbenzene	106		102		70-130	4		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03,09,11,13-14 Batch: WG1934492-3 WG1934492-4								
Benzene	95		92		70-130	3		30
Isopropylbenzene	106		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,15 Batch: WG1935086-3 WG1935086-4								
Benzene	100		110		70-130	10		20
Isopropylbenzene	110		120		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1935339-3 WG1935339-4								
Isopropylbenzene	103		101		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06 Batch: WG1935347-3 WG1935347-4								
Isopropylbenzene	97		100		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		86		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	100		100		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-02
Client ID: GPR1220-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:30
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-03
Client ID: GPR1220-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:40
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-04
Client ID: GPR1219-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:00
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-05
Client ID: GPR1220-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:15
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-06
Client ID: GPR1220-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:30
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-07
Client ID: GPR1220-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:45
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-08
Client ID: GPR1220-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 11:00
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.6		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-09
Client ID: GPR1214-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:20
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.6		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-10
Client ID: GPR1209-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:35
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-11
Client ID: GPR1209-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:15
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-12
Client ID: GPR1209-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:40
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-13
Client ID: GPR1205-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:00
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-14
Client ID: DUP-61
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:10
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	58.7		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Lab Duplicate Analysis *Batch Quality Control*

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-14 QC Batch ID: WG1932512-1 QC Sample: L2432380-02 Client ID: GPR1220-06-SS01						
Solids, Total	80.6	80.4	%	0		20



Project Name: PESRM**Lab Number:** L2432380**Project Number:** 200.00135**Report Date:** 06/17/24**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(*)
L2432380-01A	Vial HCl preserved	A	NA		2.4	Y	Absent		PA-8260(14)
L2432380-01B	Vial HCl preserved	A	NA		2.4	Y	Absent		PA-8260(14)
L2432380-01C	Vial HCl preserved	A	NA		2.4	Y	Absent		PA-8260(14)
L2432380-02A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-02X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-02Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-03A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-03X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-03Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-04A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-04X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432380**Project Number:** 200.00135**Report Date:** 06/17/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432380-04Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-05A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-05X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-05Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-06A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-06X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-06Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-07A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-07X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-07Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-08A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-08X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432380**Project Number:** 200.00135**Report Date:** 06/17/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432380-08Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-09A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-09X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-09Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-10A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-10X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-10Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-11A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-11X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-11Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-12A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-12X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432380**Project Number:** 200.00135**Report Date:** 06/17/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432380-12Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-13A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-13X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-13Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-14A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-14X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-14Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-15A	Vial HCl preserved	NA	NA			Y	Absent		PA-8260(14)
L2432380-15B	Vial HCl preserved	NA	NA			Y	Absent		PA-8260(14)

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

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: PESRM
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: PESRM
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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: PESRM
Project Number: 200.00135

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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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



ANALYTICAL REPORT

Lab Number:	L2432738
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135.027.02
Report Date:	06/19/24

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

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



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432738-01	GPR1216-01-SS01	SOIL	PHILADELPHIA, PA	06/11/24 07:40	06/11/24
L2432738-02	DUP-60	SOIL	PHILADELPHIA, PA	06/11/24 07:45	06/11/24
L2432738-03	FB-061124	WATER	PHILADELPHIA, PA	06/11/24 08:10	06/11/24
L2432738-04	GPR1219-02-SS01	SOIL	PHILADELPHIA, PA	06/11/24 08:00	06/11/24
L2432738-05	GPR1211-06-SS01	SOIL	PHILADELPHIA, PA	06/11/24 08:20	06/11/24
L2432738-06	TG06-MW01R-1.5-2.0	SOIL	PHILADELPHIA, PA	06/11/24 09:45	06/11/24
L2432738-07	TG06-MW01R-6.5-7.0	SOIL	PHILADELPHIA, PA	06/11/24 10:10	06/11/24
L2432738-08	TG06-MW01R-7.0-7.5	SOIL	PHILADELPHIA, PA	06/11/24 10:00	06/11/24
L2432738-09	TB-240611	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/11/24

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2432738-06, -07, and -08: The Client ID was specified by the client.

L2432738-09: A Trip Blank was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed and reported as "TB-240611".

Volatile Organics

L2432738-03: The Field Blank has a result for isopropylbenzene present above the reporting limit. The sample was re-analyzed and did not confirm the original results. The results of both analyses are reported.

L2432738-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2432738-06D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (137%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2432738-07: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (156%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2432738-08: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (194%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Total Metals

L2432738-06 through -08: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Project Name: PESRM
Project Number: 200.00135.027.02

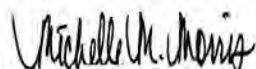
Lab Number: L2432738
Report Date: 06/19/24

Case Narrative (continued)

The WG1934549-4 Laboratory Duplicate RPD for lead (43%), performed on L2432738-06, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/19/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-01
 Client ID: GPR1216-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:40
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/18/24 12:03
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.017		mg/kg	0.0014	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-02
 Client ID: DUP-60
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/16/24 19:18
 Analyst: AJK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	0.00051	J	mg/kg	0.0016	0.00017	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-03
 Client ID: FB-061124
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/15/24 16:19
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	0.53		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-03 R
 Client ID: FB-061124
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 19:18
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	0.24	J	ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-04 D
 Client ID: GPR1219-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/18/24 13:26
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	3900		mg/kg	40	4.4	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-05 D
 Client ID: GPR1211-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:20
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/18/24 13:53
 Analyst: JIC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	5600		mg/kg	48	5.2	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06 D
 Client ID: TG06-MW01R-1.5-2.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 11:59
 Analyst: JIC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	1.2	0.12	10
Benzene	ND		mg/kg	0.31	0.10	10
1,2-Dichloroethane	ND		mg/kg	0.62	0.16	10
Toluene	0.60	J	mg/kg	0.62	0.34	10
1,2-Dibromoethane	ND		mg/kg	0.31	0.18	10
Ethylbenzene	0.16	J	mg/kg	0.62	0.087	10
p/m-Xylene	ND		mg/kg	1.2	0.35	10
o-Xylene	ND		mg/kg	0.62	0.18	10
Xylenes, Total	ND		mg/kg	0.62	0.18	10
Isopropylbenzene	0.28	J	mg/kg	0.62	0.068	10
1,3,5-Trimethylbenzene	2.6		mg/kg	1.2	0.12	10
1,2,4-Trimethylbenzene	5.5		mg/kg	1.2	0.21	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	137	Q	70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
 Client ID: TG06-MW01R-6.5-7.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 12:20
 Analyst: JIC
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.13	0.013	1
Benzene	0.067		mg/kg	0.032	0.011	1
1,2-Dichloroethane	ND		mg/kg	0.064	0.016	1
Toluene	0.078		mg/kg	0.064	0.035	1
1,2-Dibromoethane	ND		mg/kg	0.032	0.019	1
Ethylbenzene	0.23		mg/kg	0.064	0.0091	1
p/m-Xylene	0.18		mg/kg	0.13	0.036	1
o-Xylene	0.026	J	mg/kg	0.064	0.019	1
Xylenes, Total	0.21	J	mg/kg	0.064	0.019	1
Isopropylbenzene	0.48		mg/kg	0.064	0.0070	1
1,3,5-Trimethylbenzene	0.90		mg/kg	0.13	0.012	1
1,2,4-Trimethylbenzene	3.0		mg/kg	0.13	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	156	Q	70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
 Client ID: TG06-MW01R-7.0-7.5
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 12:41
 Analyst: JIC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.18	0.018	1
Benzene	0.12		mg/kg	0.046	0.015	1
1,2-Dichloroethane	ND		mg/kg	0.091	0.023	1
Toluene	0.084	J	mg/kg	0.091	0.050	1
1,2-Dibromoethane	ND		mg/kg	0.046	0.027	1
Ethylbenzene	1.9		mg/kg	0.091	0.013	1
p/m-Xylene	1.0		mg/kg	0.18	0.051	1
o-Xylene	0.085	J	mg/kg	0.091	0.026	1
Xylenes, Total	1.1	J	mg/kg	0.091	0.026	1
Isopropylbenzene	2.0		mg/kg	0.091	0.010	1
1,3,5-Trimethylbenzene	3.6		mg/kg	0.18	0.018	1
1,2,4-Trimethylbenzene	20.		mg/kg	0.18	0.030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	194	Q	70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-09
 Client ID: TB-240611
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/15/24 15:53
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Toluene	ND		ug/l	0.75	0.20	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/17/24 08:31
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06-08 Batch: WG1935346-5					
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Toluene	ND		mg/kg	0.050	0.027
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/16/24 17:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1935347-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/15/24 14:35
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,09 Batch: WG1935365-5					
Methyl tert butyl ether	ND		ug/l	1.0	0.17
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Toluene	ND		ug/l	0.75	0.20
1,2-Dibromoethane	ND		ug/l	2.0	0.19
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Isopropylbenzene	ND		ug/l	0.50	0.19
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/17/24 18:56
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1935677-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/18/24 11:36
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1935974-5					
Isopropylbenzene	0.00040	J	mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/18/24 11:36
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1935976-5					
Isopropylbenzene	0.020	J	mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06-08 Batch: WG1935346-3 WG1935346-4								
Methyl tert butyl ether	95		95		66-130	0		30
Benzene	106		100		70-130	6		30
1,2-Dichloroethane	101		102		70-130	1		30
Toluene	105		100		70-130	5		30
1,2-Dibromoethane	94		97		70-130	3		30
Ethylbenzene	106		102		70-130	4		30
p/m-Xylene	108		102		70-130	6		30
o-Xylene	104		100		70-130	4		30
Isopropylbenzene	110		103		70-130	7		30
1,3,5-Trimethylbenzene	108		101		70-130	7		30
1,2,4-Trimethylbenzene	106		100		70-130	6		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	99		97		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1935347-3 WG1935347-4								
Isopropylbenzene	97		100		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		86		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,09 Batch: WG1935365-3 WG1935365-4								
Methyl tert butyl ether	91		88		63-130	3		20
Benzene	100		100		70-130	0		20
1,2-Dichloroethane	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
1,2-Dibromoethane	97		93		70-130	4		20
Ethylbenzene	100		100		70-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
Isopropylbenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	102		99		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	103		103		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1935677-3 WG1935677-4								
Isopropylbenzene	120		100		70-130	18		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	105		105		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1935974-3 WG1935974-4								
Isopropylbenzene	106		100		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	93		96		70-130
Dibromofluoromethane	99		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1935976-3 WG1935976-4								
Isopropylbenzene	106		100		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	93		96		70-130
Dibromofluoromethane	99		98		70-130



SEMIVOLATILES

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06
 Client ID: TG06-MW01R-1.5-2.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 06/17/24 20:22
 Analyst: IM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	4.2		mg/kg	0.038	0.023	1
Fluorene	1.4		mg/kg	0.19	0.018	1
Phenanthrene	1.2		mg/kg	0.11	0.023	1
Anthracene	0.25		mg/kg	0.11	0.037	1
Pyrene	0.46		mg/kg	0.11	0.019	1
Benzo(a)anthracene	0.18		mg/kg	0.11	0.021	1
Chrysene	0.20		mg/kg	0.11	0.020	1
Benzo(b)fluoranthene	0.19		mg/kg	0.11	0.032	1
Benzo(a)pyrene	0.14	J	mg/kg	0.15	0.046	1
Indeno(1,2,3-cd)pyrene	0.091	J	mg/kg	0.15	0.026	1
Benzo(ghi)perylene	0.091	J	mg/kg	0.15	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	57		30-120
4-Terphenyl-d14	104		18-120

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
 Client ID: TG06-MW01R-6.5-7.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 06/17/24 20:45
 Analyst: IM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	1.5		mg/kg	0.037	0.022	1
Fluorene	0.31		mg/kg	0.18	0.018	1
Phenanthrene	0.33		mg/kg	0.11	0.022	1
Anthracene	0.065	J	mg/kg	0.11	0.036	1
Pyrene	0.21		mg/kg	0.11	0.018	1
Benzo(a)anthracene	0.093	J	mg/kg	0.11	0.021	1
Chrysene	0.10	J	mg/kg	0.11	0.019	1
Benzo(b)fluoranthene	0.12		mg/kg	0.11	0.031	1
Benzo(a)pyrene	0.090	J	mg/kg	0.15	0.045	1
Indeno(1,2,3-cd)pyrene	0.067	J	mg/kg	0.15	0.026	1
Benzo(ghi)perylene	0.079	J	mg/kg	0.15	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	84		30-120
4-Terphenyl-d14	110		18-120

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
 Client ID: TG06-MW01R-7.0-7.5
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 06/17/24 21:08
 Analyst: IM
 Percent Solids: 65%

Extraction Method: EPA 3546
 Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	0.28		mg/kg	0.051	0.031	1
Fluorene	0.10	J	mg/kg	0.25	0.025	1
Phenanthrene	0.55		mg/kg	0.15	0.031	1
Anthracene	0.19		mg/kg	0.15	0.049	1
Pyrene	0.86		mg/kg	0.15	0.025	1
Benzo(a)anthracene	0.51		mg/kg	0.15	0.028	1
Chrysene	0.63		mg/kg	0.15	0.026	1
Benzo(b)fluoranthene	0.73		mg/kg	0.15	0.043	1
Benzo(a)pyrene	0.52		mg/kg	0.20	0.062	1
Indeno(1,2,3-cd)pyrene	0.34		mg/kg	0.20	0.035	1
Benzo(ghi)perylene	0.35		mg/kg	0.20	0.030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	105		30-120
4-Terphenyl-d14	92		18-120

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/17/24 14:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1935020-1					
Naphthalene	ND		mg/kg	0.033	0.020
Fluorene	ND		mg/kg	0.17	0.016
Phenanthrene	ND		mg/kg	0.10	0.020
Anthracene	ND		mg/kg	0.10	0.032
Pyrene	ND		mg/kg	0.10	0.016
Benzo(a)anthracene	ND		mg/kg	0.10	0.019
Chrysene	ND		mg/kg	0.10	0.017
Benzo(b)fluoranthene	ND		mg/kg	0.10	0.028
Benzo(a)pyrene	ND		mg/kg	0.13	0.040
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.13	0.023
Benzo(ghi)perylene	ND		mg/kg	0.13	0.020

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	103		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1935020-2 WG1935020-3								
Naphthalene	86		91		40-140	6		50
Fluorene	88		97		40-140	10		50
Phenanthrene	88		98		40-140	11		50
Anthracene	92		101		40-140	9		50
Pyrene	96		107		35-142	11		50
Benzo(a)anthracene	91		100		40-140	9		50
Chrysene	90		98		40-140	9		50
Benzo(b)fluoranthene	83		91		40-140	9		50
Benzo(a)pyrene	86		94		40-140	9		50
Indeno(1,2,3-cd)pyrene	86		93		40-140	8		50
Benzo(ghi)perylene	85		92		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		84		25-120
Phenol-d6	89		84		10-120
Nitrobenzene-d5	95		89		23-120
2-Fluorobiphenyl	99		96		30-120
2,4,6-Tribromophenol	89		84		10-136
4-Terphenyl-d14	99		96		18-120



METALS

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06
 Client ID: TG06-MW01R-1.5-2.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	42.7		mg/kg	4.50	0.241	2	06/15/24 12:40	06/17/24 16:52	EPA 3050B	1,6010D	DHL



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
 Client ID: TG06-MW01R-6.5-7.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	65.0		mg/kg	4.33	0.232	2	06/15/24 12:40	06/17/24 18:00	EPA 3050B	1,6010D	DHL



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
 Client ID: TG06-MW01R-7.0-7.5
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	73.1		mg/kg	5.88	0.315	2	06/15/24 12:40	06/17/24 18:04	EPA 3050B	1,6010D	DHL



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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): 06-08 Batch: WG1934549-1									
Lead, Total	ND	mg/kg	2.00	0.107	1	06/15/24 12:40	06/17/24 16:32	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1934549-2								
Lead, Total	101		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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): 06-08 QC Batch ID: WG1934549-3 QC Sample: L2432738-06 Client ID: TG06-MW01R-1.5-2.0												
Lead, Total	42.7	47.8	80.2	78		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1934549-4 QC Sample: L2432738-06 Client ID: TG06-MW01R-1.5-2.0						
Lead, Total	42.7	27.7	mg/kg	43	Q	20

INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-01
Client ID: GPR1216-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:40
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-02
Client ID: DUP-60
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:45
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-04
Client ID: GPR1219-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:00
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-05
Client ID: GPR1211-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:20
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06
Client ID: TG06-MW01R-1.5-2.0
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
Client ID: TG06-MW01R-6.5-7.0
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
Client ID: TG06-MW01R-7.0-7.5
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.4		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG1933215-1 QC Sample: L2432738-01 Client ID: GPR1216-01-SS01						
Solids, Total	82.5	82.8	%	0		20

Project Name: PESRM**Lab Number:** L2432738**Project Number:** 200.00135.027.02**Report Date:** 06/19/24**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(*)
L2432738-01A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2432738-01X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-01Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-02A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2432738-02X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-02Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-03C	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-04A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04D	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-04X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)

Project Name: PESRM

Lab Number: L2432738

Project Number: 200.00135.027.02

Report Date: 06/19/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432738-04Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-05A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05D	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-05X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-05Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-06A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-06B	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-06C	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-06D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2432738-06F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		PA-PAH(14)
L2432738-07A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-07B	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-07C	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-07D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2432738-07F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		PA-PAH(14)
L2432738-08A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-08B	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-08C	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-08D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2432738-08F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		PA-PAH(14)
L2432738-09A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-09B	Vial HCl preserved	A	NA		2.2	Y	Absent		HOLD-504/8011(14)

Project Name: PESRM**Lab Number:** L2432738**Project Number:** 200.00135.027.02**Report Date:** 06/19/24**Container Information****Container ID** **Container Type**

Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
---------------	-----------------------	---------------------	-----------------------	-------------	-------------	-----------------------------	--------------------

Container Comments

L2432738-09B Headspace Present.

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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: PESRM
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Report Date: 06/19/24

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: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

L2432738

Table 1
Site Characterization Soil Sampling
Tank Group 06
Philadelphia Energy Solutions Refining and Marketing LLC, Philadelphia, PA

- Notes:**
1. Proposed to ensure full coverage around the AST
 2. Proposed for horizontal delineation.
 3. Proposed for vertical delineation.

Abbreviations:
bgs – Below Ground Surface
WT – Water Table

Short List 1-6

Benzene
Cumene
1,2-Dibromoethane
1,2-Dichloroethane
Ethyl Benzene
Toluene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Methyl tert-butyl ether
Xylenes (total)

Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Chrysene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Lead

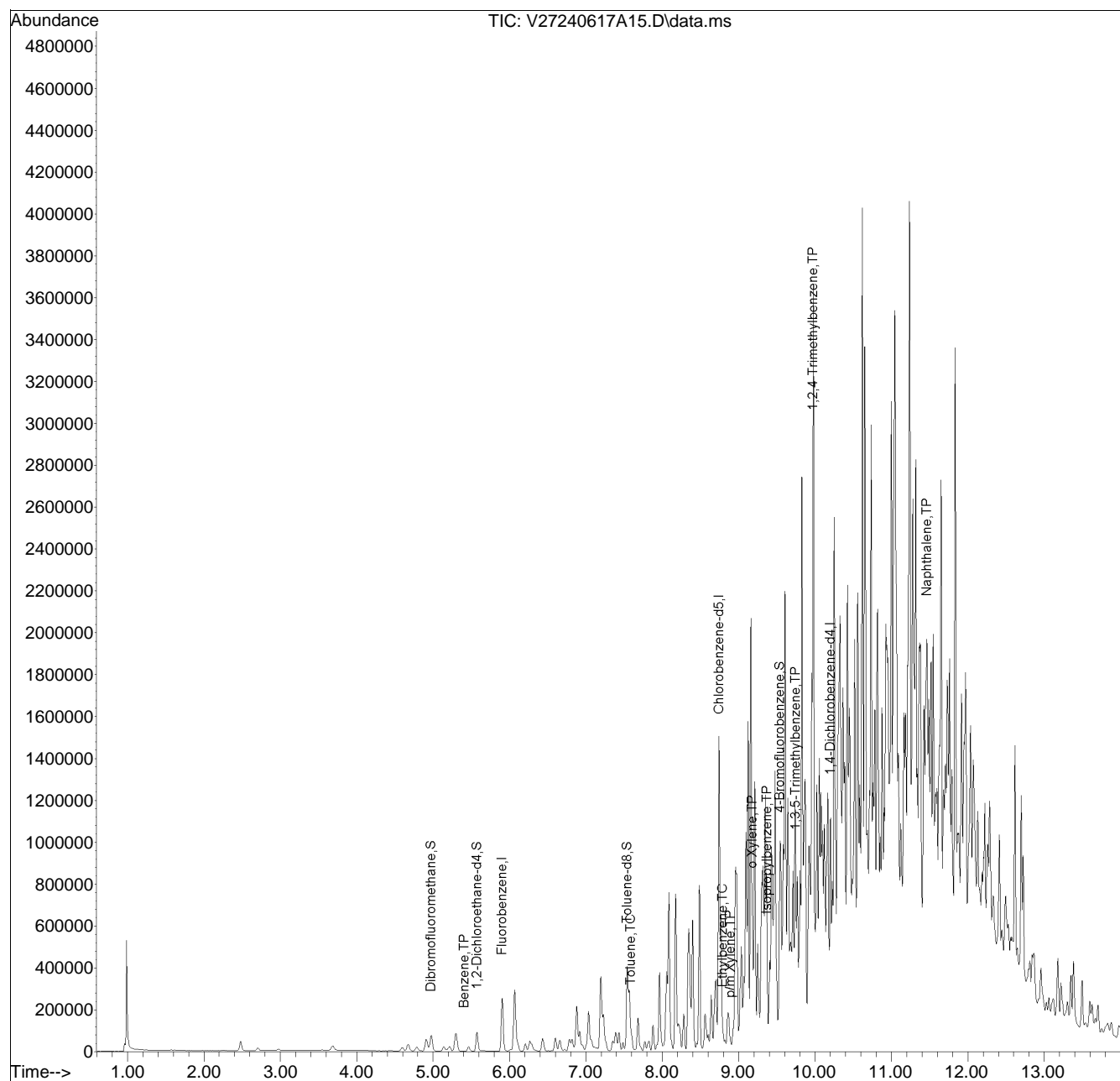
← analysis for "Short list 1-6"

Quantitation Report (QT Reviewed)

Data Path : K:\VOA127\2024\240617A\
Data File : V27240617A15.D
Acq On : 17 Jun 2024 11:59 am
Operator : VOA127:JIC
Sample : L2432738-06D,31H,5.41,5,0.01,,A
Misc : WG1935346,ICAL21177
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 18 08:27:39 2024
Quant Method : K:\VOA127\2024\240617A\V127_240606N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 07 09:03:54 2024
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list617A01.D•

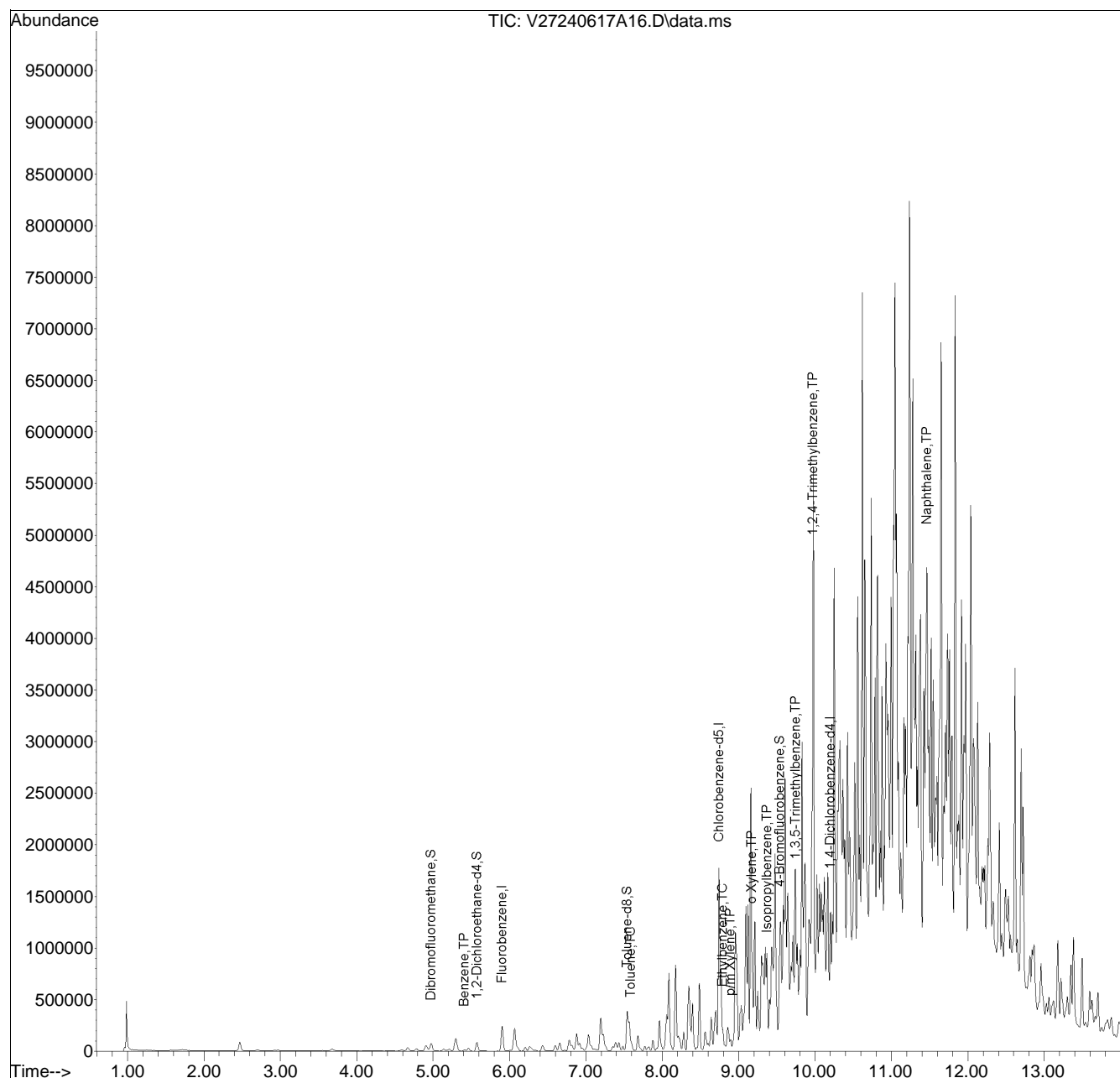


Quantitation Report (QT Reviewed)

Data Path : K:\VOA127\2024\240617A\
Data File : V27240617A16.D
Acq On : 17 Jun 2024 12:20 pm
Operator : VOA127:JIC
Sample : L2432738-07,31H,4.80,5,0.100,,A
Misc : WG1935346,ICAL21177
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 08:27:43 2024
Quant Method : K:\VOA127\2024\240617A\V127_240606N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 07 09:03:54 2024
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list617A01.D•

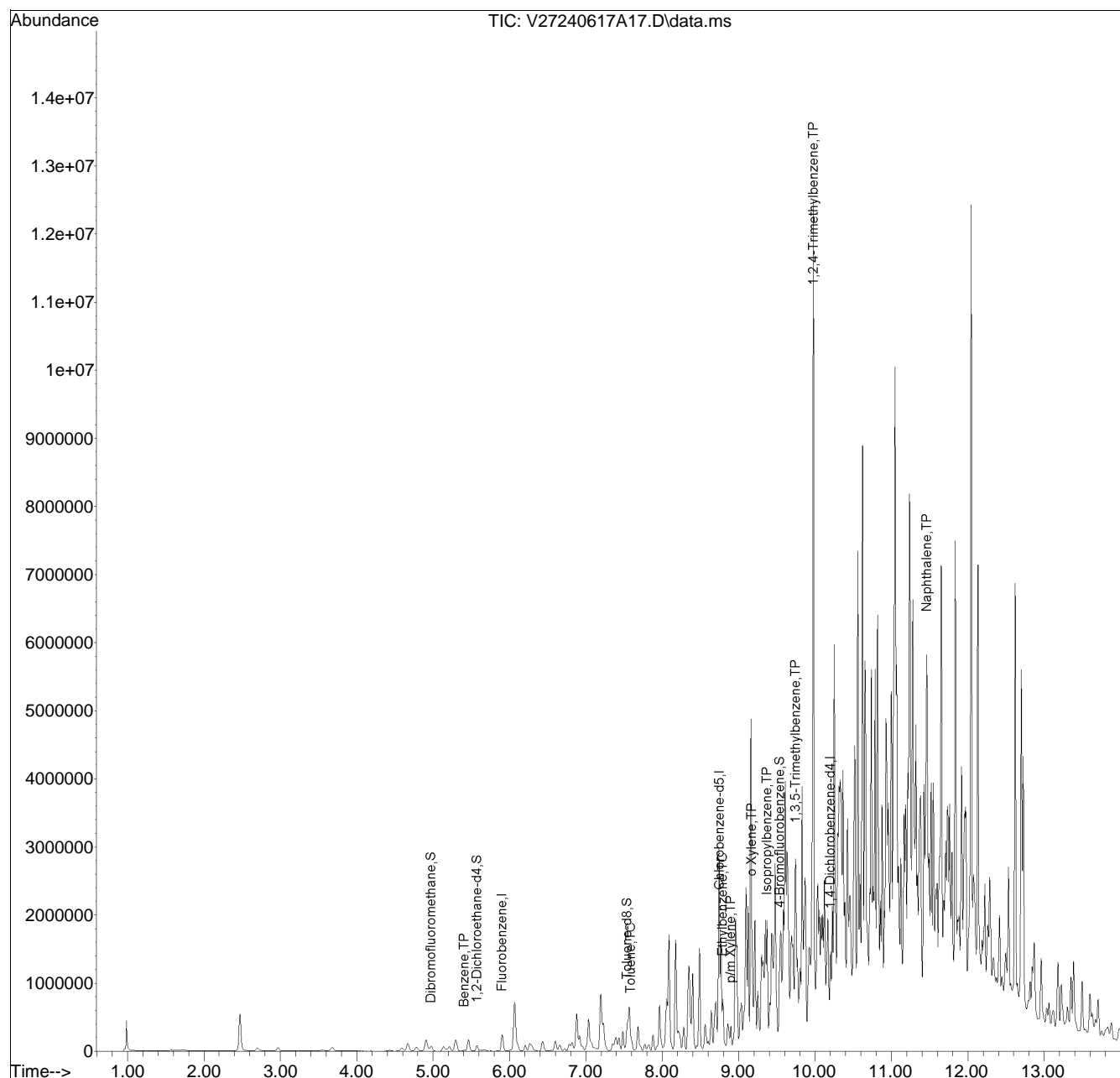


Quantitation Report (QT Reviewed)

Data Path : K:\VOA127\2024\240617A\
 Data File : V27240617A17.D
 Acq On : 17 Jun 2024 12:41 pm
 Operator : VOA127:JIC
 Sample : L2432738-08,31H,5.89,5,0.100,,A
 Misc : WG1935346,ICAL21177
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 18 08:27:48 2024
 Quant Method : K:\VOA127\2024\240617A\V127_240606N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 07 09:03:54 2024
 Response via : Initial Calibration

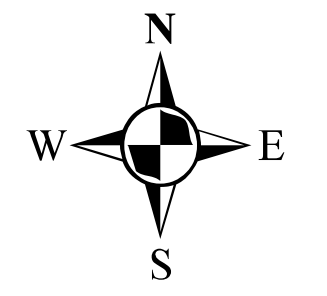
Sub List : 8260-PA_ShortList - PA Short list617A01.D•



Appendix C

Select Figures from the AOI 5 Reports





Legend

- ◆ Monitoring Wells in A-A' Cross Section
- ◆ Monitoring Wells in B-B' Cross Section
-
-
-
-
-
- A-A' AOI-5 Cross Section Location
- B-B' AOI-5 Cross Section Location
-
-

Tank Group 09

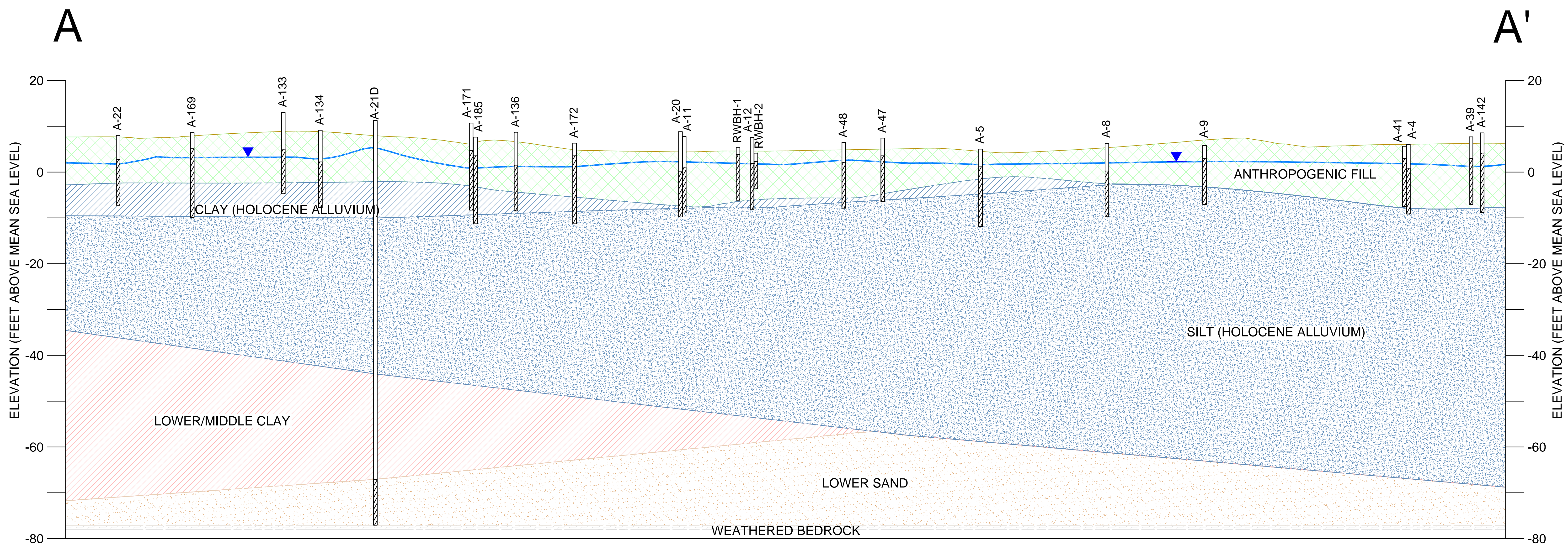
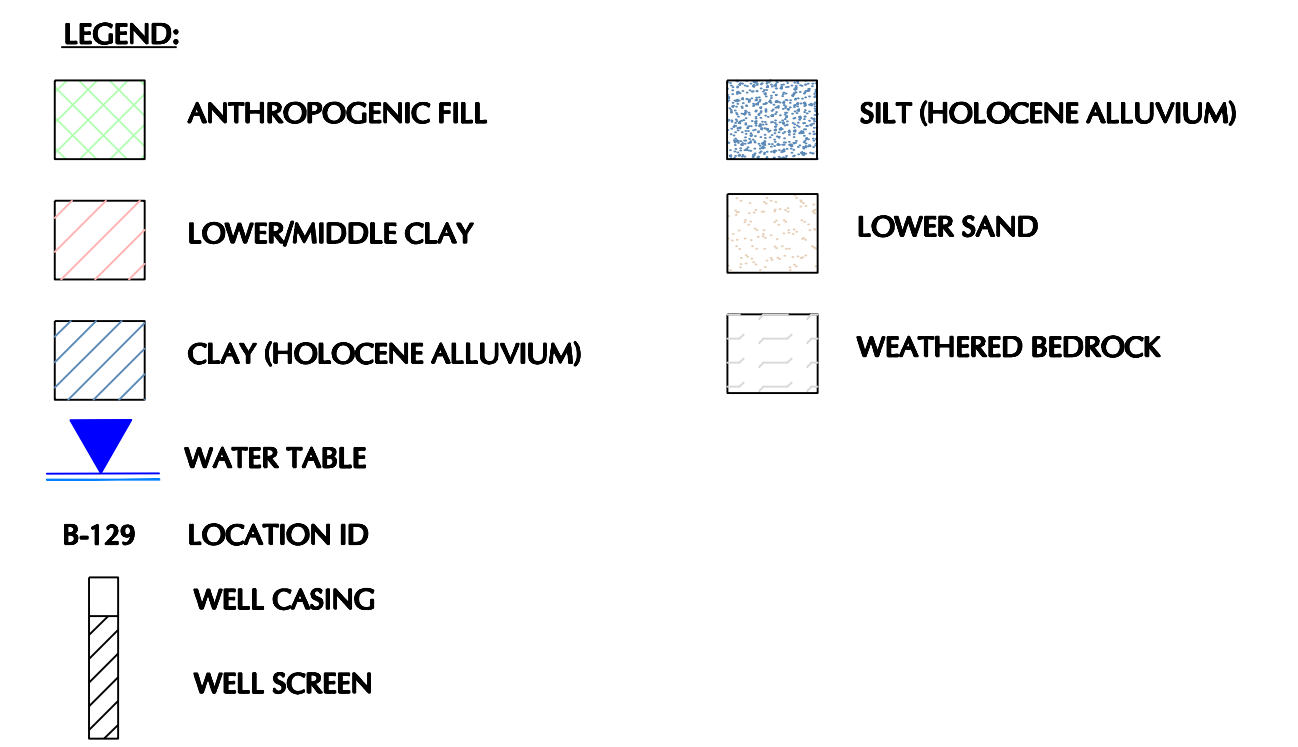
Note:
 - Tank Group 09 boundaries/notation were added by Terraphase and were not on the original figures.

Notes:
 1. Aerial basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online. Source of aerial imagery is Microsoft, 3/19/2011 (Esri, DigitalGlobe, GeoEye, I-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community)
 2. Area of Interest boundaries referenced from 2011 ALTA/ACSM Land Title Survey, prepared for Sunoco Inc. (R&S).

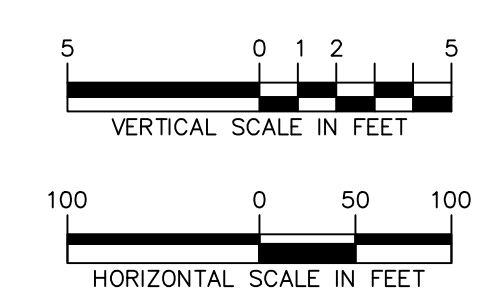
Figure 4: Geologic Cross Section Location Plan
 AOI-5 Remedial Investigation Report
 PES Philadelphia Refinery
 Philadelphia, Pennsylvania

Philadelphia Refinery Operations
 A Series of Evergreen Resources Group, LLC.
 2 Righter Parkway, Suite 200
 Wilmington, DE 19803

SCALE: 1" = 150'
 DATE: 10/20/16
 DRN BY: AUC
 CKD BY: KM
 JTM: 2/2/2022

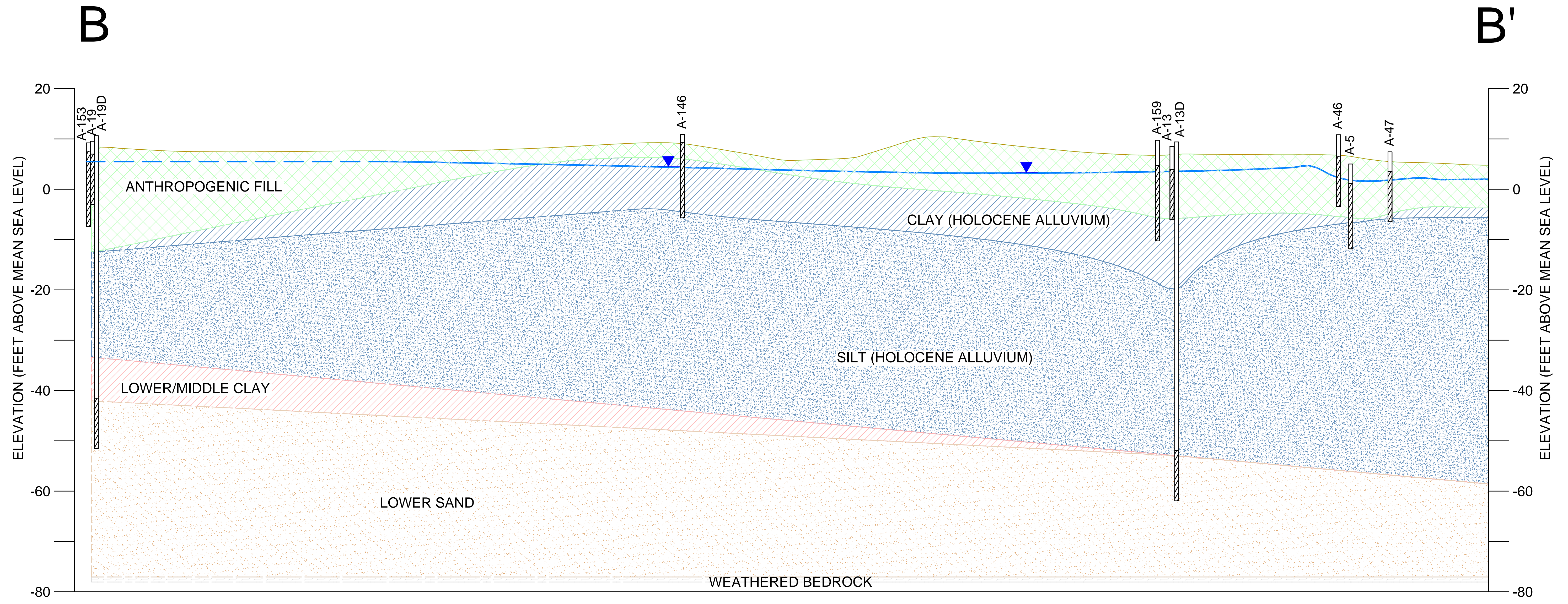
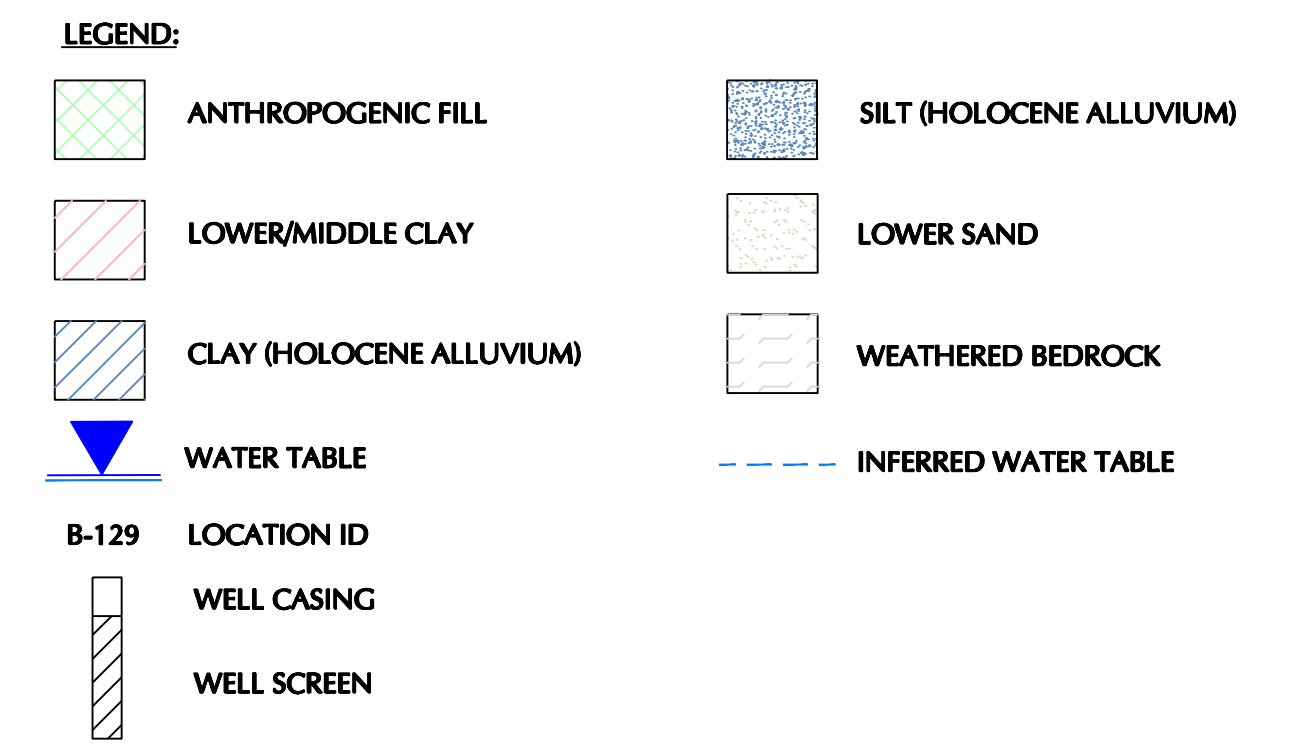


NOTES:
 1. GEOLOGIC CROSS SECTION WAS CREATED FROM THE 3D GEOLOGIC MODEL OF AOI 5, WHICH WAS GENERATED IN EARTH VOLUMETRIC STUDIO (EVS) SOFTWARE.
 2. THE WATER TABLE SURFACE WAS INTERPOLATED IN EVS USING THE GROUNDWATER ELEVATION DATA COLLECTED DURING THE OCTOBER 2014 GAUGING EVENT BY AQUATERRA TECHNOLOGIES, INC.



Philadelphia Refinery Operations A Series of Evergreen Resources Group, LLC. 2 Righter Parkway, Suite 200 Wilmington, DE 19803	Project AOI-5 REMEDIAL INVESTIGATION REPORT PES PHILADELPHIA REFINERY	Drawing Title GEOLOGIC CROSS SECTION A-A'	Project No. 2574602 Date 1 DECEMBER 2016 Scale 1"=100' HOR. 1"=5' VER. Drn. By MMK Last Revised 2 DECEMBER 2016	Drawing No. 5A
	PHILADELPHIA COUNTY PENNSYLVANIA	Filename: \\Langan.com\data\DYL\data6\2574601\Cadd Data - 2574601\Dwg\AOI 5 RIR 2016\RIR Geologic Cross-Sections_120616.dwg Date: 12/7/2016 Time: 10:26 User: acostello Style Table: Langan.stb Layout: A-A'		

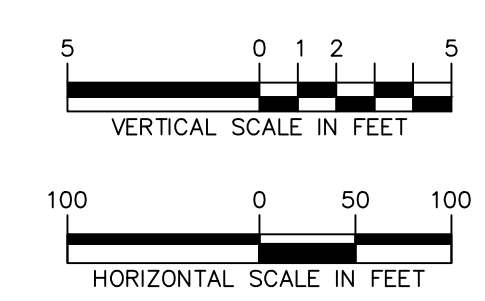
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NOTES:

1. GEOLOGIC CROSS SECTION WAS CREATED FROM THE 3D GEOLOGIC MODEL OF AOI 5, WHICH WAS GENERATED IN EARTH VOLUMETRIC STUDIO (EVS) SOFTWARE.
2. THE WATER TABLE SURFACE WAS INTERPOLATED IN EVS USING THE GROUNDWATER ELEVATION DATA COLLECTED DURING THE OCTOBER 2014 GAUGING EVENT BY AQUATERRA TECHNOLOGIES, INC.
3. MONITORING WELL A-19 HAS BEEN DESTROYED, AND MONITORING WELL A-153 WAS UNABLE TO BE LOCATED DURING THE OCTOBER 2014 GAUGING EVENT. THEREFORE, THE WATER TABLE SURFACE IS INFERRED AT THESE WELLS.

Note:
 - Tank Group 09 boundaries/notation were added by Terraphase and were not on the original figures.



Philadelphia Refinery Operations A Series of Evergreen Resources Group, LLC. 2 Righter Parkway, Suite 200 Wilmington, DE 19803	Project AOI-5 REMEDIAL INVESTIGATION REPORT PES PHILADELPHIA REFINERY	Drawing Title GEOLOGIC CROSS SECTION B-B'	Project No. 2574602 Date 1 DECEMBER 2016 Scale 1"=100' HOR. 1"=5' VER. Drn. By MMK Last Revised 2 DECEMBER 2016	Drawing No. 5B
	PHILADELPHIA COUNTY PENNSYLVANIA	Filename: \\Langan.com\data\DYL\data6\2574601\Cadd Data - 2574601\Dwg\AOI 5 RIR 2016\RIR Geologic Cross-Sections_120616.dwg Date: 12/7/2016 Time: 10:27 User: acostello Style Table: Langan.stb Layout: B-B'		

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Figure 5

Former Eastern Tank Farm Shallow Aquifer Contours

AOI 5 Cumene Investigation

Evergreen Resources Group
Philadelphia, PA

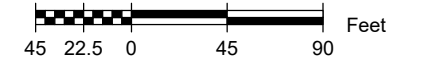
Drawn By: M. Fuerte
Designed By: A. Buchy
Reviewed By: A. Buchy
Project No: 4796.00
Date: March, 2022

Notes

1. Aerial imagery provided by Google Earth. (2018). Above-ground storage tank units georeferenced from Langan AOI-5 RIR Figure 13. Analytical data was provided from Stantec's Evergreen Philadelphia data portal. Philadelphia, PA, USA. 39°53'52.72"N, 75°12'03.85"W. Eye alt 932 ft.
2. Current tank status sourced from tank reports from Stantec Data Portal.

Legend

- December 2021 Gauged Monitoring Well
- Existing Monitoring Well
- Destroyed Monitoring Well
- Tank out of Service
- Tank Closed in Place
- Approximate Extent of Containment Berm
- Groundwater Contours (ft amsl)
- Inferred Groundwater Contours from Figure 5 (ft amsl)
- Site Boundary



Appendix D

Soil Boring Logs



Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1205-01	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/4/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery		Drilling Method: Geoprobe		Ground Elevation: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Dan Povio		Sample Interval: 3.5-4.0		Total Depth: 5.0'		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FI D (ppm)	Lithologic Description	Remarks
1		GPR1205-01-SS01	3.5	0.0	Fine-grained sand, some fine to medium grained gravel	
				0.0		
2				0.0	Light brown clay	
				0.0		
3				0.0	Black silty sand, some gravel	
				5.8		
4				34.8	Black silty sand, some gravel, some blue glass, trace red brick	
				48.1		
5				2.2	Black silty sand	
				0.8		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1205-02		
Client: Hilco				Page 1 of 1			
Project Name: PES Refinery				Date Start: 6/4/2024			
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/4/2024	
Drilling Contractor: MB Drilling				Permit No.:			
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio				Sample Interval: 4.0-4.5		Total Depth: 5.0'	
				Hammer wt./fall: N/A			
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks	
1		GPR1205-02-SS01	3.5	0.0	Fine grained sand and fine to medium grained gravel		
				0.0			
				0.0			
2				0.0	Clay, some fine to coarse-grained sand		
				0.0			
				0.0			
3					0.0		Black silty sand
					0.0		
4			0.3	Black silty sand, some organics			
			0.9				
5			0.2				
6					END OF BORING (5 ft.)		
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10							
11							
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1205-03	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/4/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.0-3.5		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1205-03-SS01	3.5	0.0	Gray fine to medium-grained gravel	
				0.0		
2				0.0	Black and light brown clay, some silt, some sand, little gravel	
				0.0		
3				0.0		
				0.0		
4		0.0				
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1205-04	
Client: Hilco			Date Start: 6/4/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/4/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povia			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1205-04-SS01		0.0	Fine-grained sand and fine to medium-grained gravel	
				0.0		
2				0.0	Fine-grained sand, fine to medium-grained gravel, some silt	
				0.0		
3				0.0	Black silty sand, some gravel, some clay	
			0.1			
4			0.1			
			0.0			
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1205-05	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1205-05-SS01		0.0	Concrete	
				0.0	Orange clay	
2				0.0		
				0.0	Sand	
3				0.0		
				0.0	Black gravel	
4				0.0		
				0.0	Black clay	
5				0.0		
6						
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1205-06				
Client: Hilco		Date Start: 6/4/2024		Page 1 of 1				
Project Name: PES Refinery		Date Finish: 6/4/2024						
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:				
Drilling Contractor: MB Drilling		Ground Elevation: N/A						
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A				
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'				
Logged By: Dan Povio		Sample Interval: 4.5-5.0		Hammer wt./fall: N/A				
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks		
1		GPR1205-06-SS01	3.5	0.0	Brown fine-grained sand, some gravel, little clay			
2				0.0				
3				0.0				
4				0.0	Dark brown/black silty sand, some clay			
5				0.0				
					0.1		Black sand, some fine to medium-grained gravel	
					0.2			
6								END OF BORING (5 ft.)
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1205-07		
Client: Hilco		Date Start: 6/4/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/4/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 2.0-2.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1205-07-SS01		0.0	Fine to medium-grained gravel and fine-grained sand	
				0.0		
				0.0		
2				0.0	Light brown clay, some fine-grained sand	
				0.0		
				0.0		
3				0.0	Black fine-grained sand, some silt, some gravel	
				0.0		
		0.0				
4				0.0	END OF BORING (5 ft.)	
				0.0		
				0.0		
5				0.0		
				0.0		
				0.0		
				0.0		
				0.0		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1205-08	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/4/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 2.0-2.5		Total Depth: 5.0'
Sample No.				Recovery (Feet)		PID/FID (ppm)
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1205-08-SS01		0.0	Brown fine-grained sand, some fine-grained gravel	
				0.0		
				0.0		
2				0.0	Clay and silt	
				0.0		
				0.0		
3				0.0	Clay and silt	
				0.0		
				0.0		
4				0.0	Black sand and silt	
		0.0				
		0.0				
5				0.0		
6					END OF BORING (5 ft.)	
7						
8						
9						
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1205-09	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/3/2024		
Project No. 200.00135.027.02				Date Finish: 6/3/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Hole Diameter: 2"		
Sampling Method: Acetate Liner				Total Depth: 5.0'		
Logged By: Dan Povio				Sample Interval: 4.5-5		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1205-09-SS01		0.0	Brown fine to coarse-grained sand, some fine-grained gravel	
				0.0		
2				0.0	Crushed concrete fill	
				0.0		
3				0.0		
				0.0		
4				0.0	Brown silt, some gravel, moist	
				0.0		
5				1.4		
END OF BORING (5 ft.)						
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1208-01	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/3/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/3/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.0-4.5		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1208-01-SS01	3.5	0.0	Light brown silty sand, some fine-grained gravel	
				0.0		
				0.0		
2				0.0	Dark brown silt, some glass and fine gravel	
				0.0		
3				0.0	Red brick/gravel fill, some sand	
				0.0	Dark brown silt, wet	
4		0.0				
		0.2				
5				0.2		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1208-02		
Client: Hilco		Date Start: 6/3/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/3/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povia		Sample Interval: 2.0-2.5/3-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1208-02-SS01P	3	0.0	Light brown fine-grained sand, some fine-grained gravel	
2				0.0		
3		GPR1208-02-SS01G		0.0	Brown fine/coarse-grained sand, some fine/medium-grained gravel	
4				0.0		
5				0.0	Dark brown silty sand, some fine-grained gravel	
6				0.0	Brown silt, some clay & organics	
7				0.0	Dark brown silt	
8				0.0	END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1208-03	
Client: Hilco			Date Start: 6/4/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/4/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povic			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1208-03-SS01	2	0.0	Gray fine to medium-grained gravel	
				0.0		
				0.0		
2				0.0	Brown fine to coarse-grained sand, some fine-grained gravel, some glass	
				0.0		
3				0.0		
				0.0		
4				0.0		
				0.0		
5				0.0		
6				END OF BORING (5 ft.)		
7						
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1208-04	
Client: Hilco			Date Start: 6/4/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/4/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povic			Sample Interval: 3.5-4.0		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1208-04-SS01	3	0.0	Fine to medium-grained gravel	
				0.0		
2				0.0	Light brown clay	
				0.0		
3				0.0	Light brown clay and black fine to coarse-grained sand	
				0.0		
4				0.1	Light brown clay, some black fine to coarse-grained sand, some gravel	
				0.0		
5				0.0		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1208-05		
Client: Hilco		Date Start: 6/4/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/4/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povia		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1208-05-SS01	3.5	0.0	Light brown clay, some fine-grained gravel	
				0.0		
				0.0		
2				0.0	Dark brown/black sand/silt	
				0.0		
		0.0				
3				0.0	moist	
				0.0		
				0.0		
4				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1208-06	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/3/2024	
Project No. 200.00135.027.02		Location: Philadelphia, PA			Date Finish: 6/3/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery		Drilling Method: Geoprobe			Ground Elevation: N/A	
Hole Diameter: 2"		Sampling Method: Acetate Liner			Datum: N/A	
Logged By: Dan Povio		Sample Interval: 2.0-2.5			Total Depth: 5.0'	
					Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1208-06-SS01		0.0	Fine/medium-grained gravel and brown fine/coarse-grained sand	
2				0.0	Brown fine/coarse-grained sand, some fine/medium-grained gravel	
3				0.0	Light brown clay	
4				0.0	Brown silt, some fine gravel, some fine-grained sand	
5				0.0	Dark brown sandy silt	
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1208-07	
Client: Hilco			Date Start: 6/3/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/3/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povio			Sample Interval: 4.5-5.0		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1208-07-SS01		0.0	Fine/medium-grained gravel & brown fine/coarse-grained sand	
				0.0		
2				0.0	Gray fine/medium-grained gravel, some fine/coarse-grained sand	
				0.0		
3				0.0	Brown silty sand, some fine-grained gravel	
				0.0		
4				0.0	Moist brown silt	
				0.0		
5				0.1	Wet dark brown silt, some gravel	
				0.1		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1209-01		
Client: Hilco			Date Start: 6/4/2024		Page 1 of 1		
Project Name: PES Refinery			Date Finish: 6/4/2024				
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A				
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povic			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks	
1		GPR1209-01-SS01	2	0.0	Brown fine to coarse-grained sand, little fine-grained gravel	moist	
2				0.0			
3				0.0			
4				0.0			
5				0.0			
6					END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1209-02	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/4/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.5-4.0		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1209-02-SS01	1	0.0	Brown fine to coarse-grained sand, some medium-grained gravel	
2						
3				0.0		
				0.0		
4				0.1		
				0.0		
5				0.0		moist
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1209-03	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02				Date Finish: 6/4/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Total Depth: 5.0'		
Hole Diameter: 2"				Sampling Method: Acetate Liner		
Logged By: Dan Povio				Sample Interval: 2.5-3.0		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1209-03-SS01	1.5	0.0	fine-grained sand and fine to medium-grained gravel	
				0.0		
2				0.0	Fine-grained sand, some fine-grained gravel	
				0.0		
3				0.0	Crushed concrete fill	
				0.2	Brown fine-grained sand and fine to medium-grained gravel	
4				0.0		
				0.0		
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1209-04	
Client: Hilco			Date Start: 6/4/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/4/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povic			Sample Interval: 2.5-3.0		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1209-04-SS01		0.0	Fine/coarse sand, some gravel	
				0.0	Fine/coarse-grained sand, some gravel, trace light brown clay	
2				0.0		
				0.2		
3				0.1	Brown fine-grained sand and silt, some fine-grained gravel	
				0.3		
				0.0		
4				0.1	Brown fine-grained sand and silt, some fine to medium-grained gravel	
				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1209-05	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Athena Lakroun		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1209-05-SS01		0.0	Concrete	
				0.0	Gray sand	
2				0.0	Red sand	
				0.0	Black mica, clay with glass and rocks	
3				0.0	Black clay	
				0.0		
4				0.0		
				0.0		
5				0.0	END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1209-06		
Client: Hilco				Page 1 of 1			
Project Name: PES Refinery				Date Start: 6/4/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/4/2024		
Drilling Contractor: MB Drilling				Permit No.:			
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio				Sample Interval: 3.0-3.5		Total Depth: 5.0'	
Sample No. GPR1209-06-SS01				Hammer wt./fall: N/A			
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks	
1		GPR1209-06-SS01		0.0	Brown fine-grained sand, some gravel		
				0.0	Brick fill		
2				0.0	Light brown sand, some brick, some gravel		
				0.0			
3				0.0			
				0.0			
4				0.0	Black sand and silt		moist
				0.0			
5				0.0	END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1209-07	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/4/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery			Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio			Sample Interval: 3.5-4.0		Total Depth: 5.0'	
Sample No.			Hammer wt./fall: N/A			
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1209-07-SS01	2	0.0	Silty clay	
				0.0		
				0.0		
2				0.0	Brown fine to coarse-grained sand, some fine-grained gravel	
				0.0		
3				0.0	Gray fine-grained sand	
				0.9	Brown fine to coarse-grained sand	
4				15.7		
				4.8	Black fine to medium-grained sand, little gravel	
5				4.1		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1209-08	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/10/2024	
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/10/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery			Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Athena Lakroun			Sample Interval: 3.0-3.5		Total Depth: 5.0'	
					Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1209-08-SS01		0.0	Gravel and roots	
				0.0		
2				0.0	Brown/orange mica, fine-grained sand	
				0.0		
3				0.0	Black mica	
				0.0		
4				0.0	Red/brown clay	
				0.0		
5		0.0				
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1209-09	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun			Sample Interval: 3.5 - 4.0		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1209-09-SS01		0.0	Concrete	
				0.0	Orange clay	
2				0.0	Mica and sand	
				1.5		
3				54.3	Black sand with clay, some glass and rubber	
				24.4		
4				72.0		
				67.8		
5				4.7		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1209-10	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02				Date Finish: 6/4/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Total Depth: 5.0'		
Hole Diameter: 2"				Sampling Method: Acetate Liner		
Logged By: Dan Povio				Sample Interval: 3.0-3.5		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1209-10-SS01		1.3	Brown fine to medium-grained sand, little silt, little gravel	Strong solvent smell
				0.0		
2				0.0		
				0.0		
3				1.8		
				170.7	Moist brown fine to medium-grained sand, little silt, little gravel	
4				50.5		
				99.6		
5				58.6		
6						END OF BORING (5 ft.)
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1211-01	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/5/2024	
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/5/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery			Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povia			Sample Interval: 3.5-4.0		Total Depth: 5.0'	
					Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PI/D/FI D (ppm)	Lithologic Description	Remarks
1		GPR1211-01-SS01	3	2.7	Light brown fine-grained sand, little fine-grained gravel	
				1.7		
2				1.3		
				7.6		
				9.8		
3				128.3		
				24.2	Red brick fill	
4				352.3	Dark brown silt, some fine-grained sand, some glass, some fine-grained gravel	
				18.8		
5				21.2		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1211-02	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02				Date Finish: 6/5/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Hole Diameter: 2"		
Sampling Method: Acetate Liner				Total Depth: 5.0'		
Logged By: Dan Povio				Sample Interval: 3.5-4.0		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1211-02-SS01		0.4	Fine to medium-grained gravel, some fine-grained sand	
				0.0		
				0.9		
2				0.5	Dark brown fine-grained sand, little gravel, little glass	
				0.0		
3				0.0		
				0.0		
4				1.9		
				0.1		
5				0.4		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1211-03	
Client: Hilco			Date Start: 6/5/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/5/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povio			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1211-03-SS01	2.5	0.0	Medium-grained gravel and fine-grained sand	
				0.0		
2				0.0	Brick fill	
				0.0		
3				0.0	Black fine-grained sand, little fine-grained gravel	
				0.0		
4				0.2		
				0.0		
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1211-04	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/5/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.5-4.0		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1211-04-SS01	2	4.3	Fine-grained sand, some fine to medium-grained gravel	
				0.9		
2				3.5	Clay	
				7.3		
3				25.2	Black silty sand, some glass fill, some fine-grained gravel	
				22.9		
4				38.3		
				245.3		
				18.7		
5				1.8		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1211-05	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/4/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.0-4.5		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1211-05-SS01		109.6	Light brown clay, trace gravel	strong petrol odor
				43.8		
2				51.0		
				48.2		
3				109.4	Black/brown silty fine-grained sand, some fine-grained gravel	
				68.1		
4				59.6		
				132.1		
5				840.0		
				173.1		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1211-06			
Client: Hilco				Page 1 of 1				
Project Name: PES Refinery				Date Start: 6/11/2024				
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/11/2024			
Drilling Contractor: MB Drilling				Permit No.:				
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A		
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Athena Lakroun				Sample Interval: 4.5-5.0		Total Depth: 5.0'		
				Hammer wt./fall: N/A				
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks		
1		GPR1211-06-SS01		0.0	Roots, gravel, and sand			
				2.2				
2				1.8	Brown mud with rocks			
				4.1				
3				740.2	Clay and mica with sand			
				382.5	Black/grey sand and clay with glass and rocks			
4				504.2				
				395.4				
5				520.5				
				1576.0				
6				END OF BORING (5 ft.)				
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1211-07	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/5/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.0-4.5		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1211-07-SS01	2	2.0	Light brown clay	
				1.2		
				0.2		
2				0.2	Dark brown silt	
				0.0		
3				6.7	Gray/tan/red sand and fill glass	
				0.0		
4				7.4		
				16.0		
5				4.0		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1211-08	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/5/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery			Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio			Sample Interval: 1.5-2.0		Total Depth: 5.0'	
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1211-08-SS01	1	38.4	Light brown clay and fine-grained sand	
2				160.5	Dark brown fine-grained sand, some fine-grained gravel	
3				2.3		
4				1.2		
5				0.8		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1211-09	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/5/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.0-4.5		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1211-09-SS01		0.0	Fine-grained sand, some fine to medium-grained gravel	
				0.1		
2				18.5	Silty sand, some fine-grained gravel, some concrete fill, some glass fill	
				10.7		
3				27.6		
				89.7		
4				24.3		
				12.2		
5				124.3		
				124.3		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1212-01		
Client: Hilco		Date Start: 6/5/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/5/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 4.5-5.0		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-01-SS01	2	0.0	Fine to coarse-grained sand, some fine-grained gravel	
				0.0		
				0.0		
2				0.0	Black silty sand, some reddish fine-grained gravel, little glass	
				0.0		
3				0.0		
				0.0		
4				0.0		
				0.0		
5				0.8		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1212-02	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 2.0-2.5		Total Depth: 5.0'
						Hammer wt./fall: N/A
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-02-SS01		0.0	Fine to coarse-grained sand	
				0.0		
2				0.0	Clay	
				0.0		
3				0.3	Fine to coarse-grained sand, some silt, trace gravel, trace glass	
				0.0		
4				0.0		
		0.0				
5		0.0				
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1212-03	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/5/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery		Drilling Method: Geoprobe		Ground Elevation: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Dan Povio		Sample Interval: 4.5-5.0		Total Depth: 5.0'		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-03-SS01	2	1.3	Fine-grained sand, fine to medium-grained gravel	
				5.0		
2				7.0	Fine to coarse-grained sand, little gravel	
				0.2		
3				0.3	Clay	
				7.9		
4				28.9	Black silty sand	
				27.6		
5				108.3		
				248.2		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1212-04	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/5/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.5-5.0		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-04-SS01	1.5	0.0	Fine-grained sand and fine to medium-grained gravel	
				0.0		
2				0.0	Clay	
				0.0		
3				7.2		
				0.3		
4				0.0	Fine to coarse-grained sand, some clay	
				0.0		
5				3.4	Fine to coarse-grained sand, some clay, some gravel	
				21.8		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1212-05	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/5/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.5-5.0		Total Depth: 5.0'
						Hammer wt./fall: N/A
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-05-SS01	1.5	1.1	Fine-grained sand, some fine-grained gravel	
				0.3		
				0.1		
2				0.2	Fine to coarse-grained sand, some fine to medium-grained gravel	
				0.7		
3				0.2		
				0.0		
4				0.1	Silty sand and clay	
				2.1		
5				7.8	END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1212-06		
Client: Hilco		Date Start: 6/5/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/5/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 4.0-4.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-06-SS01	2	0.0	Clay, some fine-grained sand	
				0.0		
				0.1		
2				0.0	Fine-grained sand, some clay, trace glass	
				0.0		
3				0.6	Brown/black silty sand, little glass	
				0.0		
4				0.0		
				2.2		
5				2.1		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1212-07	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/5/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.5-4.0		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-07-SS01	1.5	0.0	Fine-grained sand, some fine to medium-grained gravel	
				0.0		
2				0.0		
				0.3	Black coarse-grained sand, some gravel	
3				0.8		
				0.7		
				8.6	Silt, some clay, some fine-grained gravel	
4				39.5		
				7.5		
5						
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1212-08	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/5/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.5-5.0		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-08-SS01	1.5	0.0	Fine-grained sand and medium-grained gravel	
				0.0		
2				0.0	Brown coarse-grained sand and fine-grained gravel	
				0.4		
3				0.7	Soft white and red gravel and silty sand	
				0.3		
4				0.0	END OF BORING (5 ft.)	
				1.4		
5				3.2		
				7.6		
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1212-09				
Client: Hilco		Date Start: 6/5/2024		Page 1 of 1				
Project Name: PES Refinery		Date Finish: 6/5/2024						
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:				
Drilling Contractor: MB Drilling		Ground Elevation: N/A						
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A				
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'				
Logged By: Dan Povio		Sample Interval: 4.0-4.5		Hammer wt./fall: N/A				
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks		
1		GPR1212-09-SS01	2.5	0.0	Clay, some fine sand, little fine-grained gravel			
2				0.0				
3				0.0				
4				0.0	Black silty sand, some clay, little glass, trace coarse-grained sand			
5				0.0				
					31.2		Moist black silty sand, some clay, little glass, trace brick	
					84.2			
					20.3			
6								END OF BORING (5 ft.)
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1212-10	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/5/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery		Drilling Method: Geoprobe		Ground Elevation: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Dan Povio		Sample Interval: 3.0-3.5		Total Depth: 5.0'		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1212-10-SS01		0.0	Fine to medium-grained gravel, some fine-grained sand	
				0.0		
2				0.0	Fine/coarse-grained sand, some fine/medium-grained gravel	
				0.0		
3				0.0	Clay	
				0.0		
4				0.1	Black silt, some medium-grained gravel	
				0.1		
5				0.1	Silty sand and clay, some fine-grained gravel	
				0.1		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1213-01	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/5/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.0-3.5		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1213-01-SS01		0.2	Fine-grained sand and medium-grained gravel	
				0.0		
2				0.0	Clay, some silty sand	
				0.0		
3				0.0	Black silty sand, some glass, some gravel	
				5.7		
4				18.3		
				12.0		
5				0.2		
				0.0		
END OF BORING (5 ft.)						
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1213-02	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/4/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.5-5.0		Total Depth: 5.0'
Sample No.				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1213-02-SS01		12.2	Fine-grained sand, some fine-grained gravel	Strong odor
				134.4		
2				81.2	Black silt, some clay	
				230.0		
3				449.0	Clay, some silty sand	
				364.0		
	183.9					
4				196.4	Black fine to coarse-grained sand, some fine-grained gravel	
				348.4		
5				563.1		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1213-03	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/4/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.5-5.0		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1213-03-SS01		0.0	Fine-grained sand, some fine-grained gravel	
				0.0		
2				0.0		
				0.0	Red brick fill	
3				0.0		
				0.0	Fine-grained sand, some clay	
4				0.0		
				0.3	Fine-grained sand, some clay, some gravel	
5				1.2		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1213-04	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/4/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery		Drilling Method: Geoprobe		Ground Elevation: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Dan Povio		Sample Interval: 4.5-5.0		Total Depth: 5.0'		
Sample No.		Recovery (Feet)		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1213-04-SS01	4	0.0	Gray sand and fine to medium-grained gravel	strong odor
				0.0		
2				0.3	Light brown clay	
				12.2		
3				101.2	Black silty sand	
				538.4		
4				396.0		
				763.2		
5				38.3		
				784.3		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1213-05	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/5/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/5/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 2.0-2.5		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1213-05-SS01	4	0.0	Clay	
				0.0		
				0.0		
2				1.2	Concrete fill	
				14.0	Dark brown silty sand	
3				3.1		
				0.0		
4				0.0		
				0.0		
5				0.0		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1213-06	
Client: Hilco			Date Start: 6/5/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/5/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povio			Sample Interval: 3.5-4.0		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1213-06-SS01	1.5	0.0	Clay	
				0.0		
2				0.0		
				0.0	Dark brown fine to coarse-grained sand, some brick fill, some glass fill, little glass	
3				0.0		
				0.0		
4				0.3		
		0.0				
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1213-07	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/4/2024	
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.5-4.0		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1213-07-SS01		0.0	Fine-grained sand and fine to medium-grained gravel	strong solvent odor
				0.0		
2				19.6	Clay	
				62.7		
3				163.2	Brown/black silty sand	
				163.8		
4				51.0	Black silty sand, some fine-grained gravel, some organics	
				262.2		
5				76.8		
				35.2		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1214-01		
Client: Hilco		Date Start: 6/4/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/4/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1214-01-SS01	4	0.0	Light brown fine to coarse-grained sand	
2				0.0		
3				0.0		
4				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1214-02	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/4/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery		Drilling Method: Geoprobe		Ground Elevation: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Dan Povio		Sample Interval: 3.0-3.5		Total Depth: 5.0'		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1214-02-SS01	4	0.0	Light brown fine-grained sand, some fine to medium-grained gravel	
2				0.0		
3				0.0	Dark brown/black silt and sand, some fine to medium-grained gravel	
4				0.0		
5				0.0		
6				0.0		
7				0.0		
8				0.0		
9					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1214-03					
Client: Hilco		Date Start: 6/4/2024		Page 1 of 1					
Project Name: PES Refinery		Date Finish: 6/4/2024							
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:					
Drilling Contractor: MB Drilling		Ground Elevation: N/A							
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A					
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'					
Logged By: Dan Povio		Sample Interval: 4.0-4.5		Hammer wt./fall: N/A					
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks			
1		GPR1214-03-SS01	4	0.0	Clay and fine-grained sand				
				0.0					
				0.0					
2				0.0	Fine to coarse-grained sand, some fine-grained gravel				
				0.0					
3				0.0	Black silt and sand, little gravel				
				0.0					
				0.0					
4							0.1		moist
5							0.1		
6					END OF BORING (5 ft.)				
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1214-04	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02				Date Finish: 6/4/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Hole Diameter: 2"		
Sampling Method: Acetate Liner				Total Depth: 5.0'		
Logged By: Dan Povio				Sample Interval: 1.0-1.5		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1214-04-SS01	3	0.0	Fine sand, some fine-grained gravel	
				0.0		
2				0.1	Light brown clay, trace gravel	
				0.0		
3				0.0	Dark brown clay, some sand, little fine-grained gravel	
				0.0		
				0.0		
4				0.0	Dark brown clay, some sand, some fine-grained gravel	
				0.0		
				0.0		
5						
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1214-05	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/4/2024		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Finish: 6/4/2024		
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 4.0-4.5		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1214-05-SS01	4	0.0	Fine-grained sand, some fine to medium-grained gravel	
				0.0		
2				0.0	Brown clay and sand	
				0.0		
3				0.0	Black silt, some sand	
				0.0		
4				0.0	Moist black silt, some sand	
				0.1		
5				0.0		
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1214-06				
Client: Hilco		Date Start: 6/4/2024		Page 1 of 1				
Project Name: PES Refinery		Date Finish: 6/4/2024						
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:				
Drilling Contractor: MB Drilling		Ground Elevation: N/A						
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A				
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'				
Logged By: Dan Povio		Sample Interval: 2.0-2.5		Hammer wt./fall: N/A				
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks		
1		GPR1214-06-SS01	3.5	0.0	Light brown fine-grained sand, some fine-grained gravel			
2				0.0				
3				0.0	Dark brown fine-grained sand, some gravel, some glass fill			
4				0.0				
5				0.0	Clay and black silt, moist			
6							END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1214-07	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/4/2024	
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/4/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery			Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio			Sample Interval: 2.0-2.5		Total Depth: 5.0'	
					Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1214-07-SS01	2.5	0.0	Light brown clay, some fine to medium-grained gravel, some sand	
2				0.0		
3				0.0		
4				0.0		
5				0.0		
6				0.0		
7					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1214-08				
Client: Hilco				Page 1 of 1					
Project Name: PES Refinery				Date Start: 6/4/2024					
Project No. 200.00135.027.02				Date Finish: 6/4/2024					
Location: Philadelphia, PA				Permit No.:					
Drilling Contractor: MB Drilling				Ground Elevation: N/A					
Driller: Joe Flannery				Drilling Method: Geoprobe					
Datum: N/A				Hole Diameter: 2"					
Sampling Method: Acetate Liner				Total Depth: 5.0'					
Logged By: Dan Povio				Sample Interval: 4.5-5.0					
Hammer wt./fall: N/A									
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks			
1		GPR1214-08-SS01	2.5	0.0	Brown fine-grained sand, some fine-grained gravel				
2				0.0					
3				0.0					
4				0.0					
5				0.0					
5							1.8		moist
6								END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1214-09			
Client: Hilco				Page 1 of 1				
Project Name: PES Refinery				Date Start: 6/10/2024				
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/10/2024		
Drilling Contractor: MB Drilling				Permit No.:				
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A		
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Athena Lakroun				Sample Interval: 2.0-2.5		Total Depth: 5.0'		
				Hammer wt./fall: N/A				
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks		
1		GPR1214-09-SS01		0.0	Roots, mica, concrete and fine-grained sand			
				0.0				
				0.0				
2				0.0	Red/brown clay and fine-grained sand			
				0.0				
3				0.0				
				0.0				
4							0.0	Black clay
							0.0	
5							0.0	
6					END OF BORING (5 ft.)			
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1215-01	
Client: Hilco			Date Start: 6/7/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/7/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1215-01-SS01		0.0	Cobbles	
				0.0	Fine-grained sand	
2				0.0	Trace glass, black clay	
				0.0	Gray fine-grained sand	
3				0.0	Black coarse-grained gravel	
				0.0		
4				0.0		
		0.0				
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1215-02		
Client: Hilco				Page 1 of 1			
Project Name: PES Refinery				Date Start: 6/7/2024			
Project No. 200.00135.027.02				Date Finish: 6/7/2024			
Location: Philadelphia, PA				Permit No.:			
Drilling Contractor: MB Drilling				Ground Elevation: N/A			
Driller: Joe Flannery				Drilling Method: Geoprobe			
Datum: N/A				Hole Diameter: 2"			
Sampling Method: Acetate Liner				Total Depth: 5.0'			
Logged By: Athena Lakroun				Sample Interval: 3.0-3.5			
Hammer wt./fall: N/A							
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks	
1		GPR1215-02-SS01		0.0	Concrete		
				0.0	Concrete and clay		
2				0.0	Coarse-grained gravel		
				0.0	Red and black clay		
3				0.0	Red and black rocks		
				0.0	Black gravel and clay		
4				0.0	Black fine-grained sand		
				0.0			
5				0.0	Brown/black clay		Water
				0.0			
6					END OF BORING (5 ft.)		
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1215-03	
Client: Hilco			Date Start: 6/7/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/7/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1215-03-SS01		0.0	Cobbles and gravel	
				0.0		
				0.0		
2				0.0	Clay	
				0.0		
3				0.0		
				0.0		
4				0.0	Black sandy gravel with clay	
				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1215-04	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Date Finish: 6/7/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Total Depth: 5.0'		
Hole Diameter: 2"				Sampling Method: Acetate Liner		
Logged By: Athena Lakroun				Sample Interval: 3.0 - 3.5		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1215-04-SS01		0.0	Gravel	
				0.0	Clay, cobbles, and gravel	
2				0.0		
				0.0	Brown clay	
3				0.0		
				0.0	Black clay	
4				0.0		
				0.0	Black gravel and sand	
5				0.0		
6						
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1215-05		
Client: Hilco			Date Start: 6/6/2024		Page 1 of 1		
Project Name: PES Refinery			Date Finish: 6/6/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:			
Drilling Contractor: MB Drilling			Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A			
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A			
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks	
1		GPR1215-05-SS01		0.0	Fine-grained sand and fine-grained gravel		
				0.0			
2				0.0	Fine-grained sand and fine-grained gravel, some brick fill		
				0.0			
3				0.0	Silty black sand, some clay, little fine-grained gravel		
				0.0			
4				0.0			
				0.0			
5				0.0			
				0.0			
6					END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1215-06	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.0-3.5		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1215-06-SS01		0.0	Fine-grained sand, little gravel, little brick fill	
				0.0		
				0.0		
2				0.0	Coarse-grained sand, some brick fill	
				0.0		
3				0.0	Coarse-grained sand, some brick fill, some glass	
				0.0		
4				0.0	Black coarse-grained sand	
		0.0				
		0.0				
5					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1215-07		
Client: Hilco		Date Start: 6/7/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/7/2024		Permit No.:		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Ground Elevation: N/A		
Drilling Contractor: MB Drilling		Driller: Joe Flannery		Drilling Method: Geoprobe		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Athena Lakroun		Sample Interval: 3.0-3.5		Total Depth: 5.0'		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1215-07-SS01		0.0	Concrete fill	
				0.0	Concrete fill with clay	
2				0.0	Coarse-grained gravel	
				0.0	Red/black clay	
3				0.0	Red/black rock	
				0.0	Black gravel with clay	
4				0.0	Black fine-grained sand	
				0.0	Brown and black clay	
5				0.0		
				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1215-08	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/7/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Athena Lakroul				Sample Interval: 3.5-4.0		Total Depth: 5.0'
						Hammer wt./fall: N/A
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1215-08-SS01		0.0	Cobbles and coarse-grained gravel	
				0.0		
2				0.0		
				0.9		
3				9.9		
				62.7	Brown clay	
4				291.2		
				524.0		
5				25.9	Red/brown clay	
				51.9		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1215-09	
Client: Hilco			Date Start: 6/7/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/7/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Athena Lakroun		Sample Interval: 2.0-2.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1215-09-SS01		0.0	Concrete fill	
				0.0	Coarse-grained gravel and clay	
2				0.0		
				0.0	Brown clay with rocks	
3				0.0		
				0.0	Black coarse-grained gravel	
4				0.0		
				0.0	END OF BORING (5 ft.)	
5				0.0		
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1216-01		
Client: Hilco		Date Start: 6/11/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/11/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Athena Lakroun		Sample Interval: 2.0 - 2.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1216-01-SS01		0.0	Fine-grained sand, coarse-grained gravel, with some roots	
				0.0		
				0.0		
2				0.0	Angular rocks with brown fine-grained sand and clay	
				0.0		
3				0.0	Black fine-grained sand with rocks and mica	
				0.0		
				0.0		
4				0.0	Black clay	
				0.0		
5		0.0				
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1216-02	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/6/2024	
Project No. 200.00135.027.02		Location: Philadelphia, PA			Date Finish: 6/6/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery		Drilling Method: Geoprobe			Ground Elevation: N/A	
Hole Diameter: 2"		Sampling Method: Acetate Liner			Datum: N/A	
Logged By: Dan Povio		Sample Interval: 3.0-3.5			Total Depth: 5.0'	
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1216-02-SS01		0.0	Black silty fine to coarse-grained sand, trace brick fill, trace glass, trace coarse-grained gravel	
				0.0		
2				0.0		
				0.0		
3				0.0		
				0.0		
4				0.0	END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1216-03	
Client: Hilco			Date Start: 6/6/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/6/2024		Permit No.:	
Project No. 200.00135.027.02			Location: Philadelphia, PA		Ground Elevation: N/A	
Drilling Contractor: MB Drilling			Drilling Method: Geoprobe		Datum: N/A	
Driller: Joe Flannery			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Hole Diameter: 2"			Sample Interval: 3.5-4.0		Hammer wt./fall: N/A	
Logged By: Dan Povio						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1216-03-SS01		0.0	Fine-grained sand	PID malfunctioning very windy
				0.0	Clay	
2				0.0		
				0.0		
3				0.0	Black silty sand, little gravel	Strong odor
				0.0		
4				0.0		
				0.0		
5				0.0		
				0.0		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1216-04	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/6/2024	
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/6/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery			Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio			Sample Interval: 3.0-3.5		Total Depth: 5.0'	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1216-04-SS01	3.5	0.0	Clay	
				0.0		
2				0.0	Fine to coarse-grained sand, some clay, little gravel	
				0.0		
3				0.0	Black silty sand, fine-grained gravel	
				0.2		
4				0.0		
		0.0				
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1216-05	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.0-3.5		Total Depth: 5.0'
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1216-05-SS01	3	0.0	Fine-grained sand, some fine to coarse-grained gravel	
2				0.0		
3				0.0	Dark brown fine to coarse-grained sand, some glass, little gravel	
4				0.0		
5				0.0		
6				0.0		
7				0.0		
8				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1216-06	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.0 - 3.5		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1216-06-SS01		0.0	Fine-grained sand, some gravel	
				0.0		
2				0.0	Fine-grained sand	
				0.0		
3				0.0	Silty sand, some clay	
				0.0		
4				0.2	Clay	
				0.0		
5				0.0	Black silty sand	
				0.0		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1216-07		
Client: Hilco				Page 1 of 1			
Project Name: PES Refinery				Date Start: 6/6/2024			
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024	
Drilling Contractor: MB Drilling				Permit No.:			
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio				Sample Interval: 2.0-2.5		Total Depth: 5.0'	
Depth (ft)		Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1			GPR1216-07-SS01	3	0.0	Silty sand, some glass, some medium-grained gravel	
					0.0		
2					0.0	Clay, some medium-grained gravel	
					0.0		
3					0.2	Black silty coarse sand, some fine-grained gravel, trace glass	
					0.0		
4					0.0		
					0.0		
5			0.0				
6					END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1216-08	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Date Finish: 6/6/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Hole Diameter: 2"		
Sampling Method: Acetate Liner				Total Depth: 5.0'		
Logged By: Dan Povio				Sample Interval: 4.0-4.5		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1216-08-SS01		0.0	Clay	
				0.0		
2				0.0	Fine to coarse-grained sand, trace glass	
				0.0		
3				0.0		
		0.0	Black silty coarse-grained sand			
4		0.0				
		0.2				
5				0.1		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1217-01	
Client: Hilco			Date Start: 6/6/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/6/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 2.0 - 2.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1217-01-SS01	3	0.0	Concrete fill and gravel	
				0.0	Fine-grained sand, little gravel	
2				0.0	Clay, some fine-grained sand	
				0.0		
3				0.0	Fine to medium-grained gravel	
				0.0		
4				0.0	Fine-grained sand and clay	
				0.0		
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1217-02	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/7/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Athena Lakroun				Sample Interval: 2.0-2.5		Total Depth: 5.0'
Sample No.				Recovery (Feet)		PID/FID (ppm)
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1217-02-SS01		0.0	Orange clay	
				0.0		
2				0.0	Brown coarse-grained gravel with some clay	
				0.0		
3				0.0		
				0.0	Black clay with coarse-grained gravel	
4				0.0		
				0.0		
5				0.0	END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1217-03	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/7/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Athena Lakroun				Sample Interval: 2.0-2.5		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1217-03-SS01		0.0	Cobbles and concrete fill	
				0.0		
				0.0		
2				0.0	Brown coarse-grained gravel	
				0.0		
3				0.0	Concrete fill with clay	
				0.0		
				0.0		
4				0.0	Black clay	
				0.0		
5						
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1217-04		
Client: Hilco		Date Start: 6/7/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/7/2024		Permit No.:		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Ground Elevation: N/A		
Drilling Contractor: MB Drilling		Driller: Joe Flannery		Drilling Method: Geoprobe		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Athena Lakroun		Sample Interval: 2.0-2.5		Total Depth: 5.0'		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1217-04-SS01		0.0	Black coarse-grained gravel	
				0.0		
2				0.0	Orange clay	
				0.0		
3				23.9	Angular rocks and clay and trace glass and brick fill	
				23.8		
4				5.3		
				2.6	Black coarse-grained gravel	
5				1.5		
				1.6		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1217-05	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 2.0-2.5		Total Depth: 5.0'
Sample No.				Recovery (Feet)		Hammer wt./fall: N/A
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1217-05-SS01		0.0	Fine to coarse-grained sand, some fine-grained gravel	
				0.0		
2				0.0		
				0.1		
3				0.2		
				0.0		
				0.0		
4				0.0	END OF BORING (5 ft.)	
				0.0		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1217-06	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 3.0 -3.5		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1217-06-SS01		0.0	Brown fine-grained sand, some gravel	
				0.0		
2				0.0	Clay	
				0.0		
3				0.0	Black silty coarse-grained sand	
				0.0		
4				0.3	Black silty coarse-grained sand, little brick fill	
		0.0				
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1217-07	
Client: Hilco			Date Start: 6/6/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/6/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povio			Sample Interval: 2.0-2.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1217-07-SS01	3	0.0	Clay	
				0.0		
2				0.0		
				0.4	Silty black coarse-grained sand	
3				0.1		
				0.0		
4				0.0		
		0.0				
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1218-01	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/6/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/6/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Dan Povio				Sample Interval: 2.5-3.0		Total Depth: 5.0'
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1218-01-SS01	4	0.0	Fine to coarse-grained sand, some gravel	
				0.0		
				0.0		
2				0.0	Clay, some gravel, little fine-grained sand	
				0.1		
3				0.4	Black silty sand, some glass, little gravel	
				0.1		
				0.0		
4				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1218-02	
Client: Hilco		Date Start: 6/6/2024			Page 1 of 1	
Project Name: PES Refinery		Date Finish: 6/6/2024				
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling		Ground Elevation: N/A				
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 2.5-3.0		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1218-02-SS01	3	24.9	Fine-grained sand and gravel	strong sweet solvent smell
				51.6		
2				122.8	Black silty sand, trace glass, trace fine-grained gravel	
				87.2		
3				69.1		
				208.3		
4				150.4		
				122.2		
5				78.3		
				16.2		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1218-03	
Client: Hilco			Date Start: 6/6/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/6/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Dan Povio			Sample Interval: 3.5-4.0		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1218-03-SS01	4	0.0	Fine-grained sand, some coarse-grained gravel, some glass	
				0.0		
2				0.0		
				0.0	Black silty fine to coarse-grained sand	
3				0.0		
				0.0		
4				0.5	Black silty fine to coarse-grained sand, some clay	
				0.0		
5				0.0		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1218-04	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/6/2024	
Project No. 200.00135.027.02		Location: Philadelphia, PA			Date Finish: 6/6/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery		Drilling Method: Geoprobe			Ground Elevation: N/A	
Hole Diameter: 2"		Sampling Method: Acetate Liner			Datum: N/A	
Logged By: Dan Povio		Sample Interval: 3.0-3.5			Total Depth: 5.0'	
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1218-04-SS01	4	0.0	Clay, some coarse-grained gravel	
				0.0		
				0.0		
2				2.4	Clay and fine-grained sand	
				5.9		
3				58.4	Black fine-grained and coarse-grained sand	
				146.3		
4				48.3		
				30.6		
5				13.4		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1218-05	
Client: Hilco			Date Start: 6/6/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/6/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 3.5-4.0		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1218-05-SS01	4	0.0	Fine to medium-grained gravel	
				0.0	Clay	
2				0.4	Brick fill layer	
				9.9	Black silty coarse-grained sand	
3				1.3		
				10.4		
4				40.3		
				49.2		
5				10.2		
				1.3		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1218-06	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/6/2024	
Project No. 200.00135.027.02			Location: Philadelphia, PA		Date Finish: 6/6/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery			Drilling Method: Geoprobe		Ground Elevation: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Datum: N/A	
Logged By: Dan Povio			Sample Interval: 4.0-4.5		Total Depth: 5.0'	
Sample No.			Recovery (Feet)		PID/FID (ppm)	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1218-06-SS01	3	0.1	Fine to coarse-grained sand and clay	
				0.0		
2				0.0	Coarse-grained sand, little fine-grained gravel	
				0.0		
3				3.5	Concrete fill	
				1.3	Black silty sand	
4				7.6		
				8.2		
5				13.6		
				3.2		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1218-07	
Client: Hilco			Date Start: 6/5/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/5/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Dan Povio		Sample Interval: 2.0-2.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1218-07-SS01	2	1.8	Coarse-grained gravel, some fine-grained sand	
				7.9		
2				1.4	Fine to coarse-grained sand, some brick fill, some fine-grained gravel	
				16.8		
3				72.3		
				54.5		
4		10.2				
		5.4				
5				1.2		
				0.2		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1219-01	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Athena Lakroun		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1219-01-SS01		0.0	Concrete fill	
				0.0	Fine-grained sand with some mica	
2				0.0		
				0.0	Black coarse-grained gravel	
3				0.0	Orange fine-grained sand	
				0.0		
4				0.0	Fine-grained black sand	
				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1219-02	
Client: Hilco			Date Start: 6/11/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/11/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun			Sample Interval: 4.0-4.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1219-02-SS01		40.7	Concrete fill with coarse-grained gravel	
				427.9		
2				63.7	Mica sand with orange clay	
				148.1		
3				138.9	Glass fill, mica, and black clay	
				234.9		
4				139.6	Yellow fine-grained sand, brown clay and red rocks	
				527.6		
5				1011.6		
				682.6	Black spongy clay	
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC				Soil Boring Log		Boring No.: GPR1219-03	
Client: Hilco				Date Start: 6/7/2024		Page 1 of 1	
Project Name: PES Refinery				Date Finish: 6/7/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Athena Lakroun			Sample Interval: 4.5-5.0		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks	
1		GPR1219-04-SS01		0.0	Concrete fill with gravel		
				0.0	Clay		
2				0.0	Red rocks		
				0.0	Black clay with coarse-grained gravel		
3				0.0			
				0.0			
4				0.1			
5							
				66.6			
6					END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1219-04	
Client: Hilco					Page 1 of 1	
Project Name: PES Refinery					Date Start: 6/7/2024	
Project No. 200.00135.027.02		Location: Philadelphia, PA			Date Finish: 6/7/2024	
Drilling Contractor: MB Drilling					Permit No.:	
Driller: Joe Flannery		Drilling Method: Geoprobe			Ground Elevation: N/A	
Hole Diameter: 2"		Sampling Method: Acetate Liner			Datum: N/A	
Logged By: Athena Lakroun		Sample Interval: 3.0-3.5			Total Depth: 5.0'	
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1219-04-SS01		0.0	Concrete fill and fine-grained sand	
				0.0		
2				0.0	Black coarse-grained gravel	
				0.0		
3				0.0		
				0.0		
4				0.0		
				0.0		
5		0.0				
		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1219-05		
Client: Hilco		Date Start: 6/7/2024		Page 1 of 1		
Project Name: PES Refinery		Date Finish: 6/7/2024		Permit No.:		
Project No. 200.00135.027.02		Location: Philadelphia, PA		Ground Elevation: N/A		
Drilling Contractor: MB Drilling		Driller: Joe Flannery		Drilling Method: Geoprobe		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Datum: N/A		
Logged By: Athena Lakroun		Sample Interval: 2.5-3.0		Total Depth: 5.0'		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1219-05-SS01		0.6	Rocks, coarse-grained gravel, and concrete fill	
				214.9		
2				51.3		
				6.4	Clay and coarse-grained gravel	
3				154.6		
				530.6		
4				73.4		
				209.5	END OF BORING (5 ft.)	
5				87.8		
				352.6		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1219-06	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Date Finish: 6/7/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Hole Diameter: 2"		
Sampling Method: Acetate Liner				Total Depth: 5.0'		
Logged By: Athena Lakroun				Sample Interval: 3.0-3.5		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1219-06-SS01		0.0	Rocks	
				0.0	Fine-grained sand	
2				0.0	Black coarse-grained gravel	
				0.0	Fine-grained clay	
3				0.0		
				0.0		
4				0.0		
				0.0		
5				0.0		
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1219-07	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Date Finish: 6/7/2024		
Location: Philadelphia, PA				Permit No.:		
Drilling Contractor: MB Drilling				Ground Elevation: N/A		
Driller: Joe Flannery				Drilling Method: Geoprobe		
Datum: N/A				Hole Diameter: 2"		
Sampling Method: Acetate Liner				Total Depth: 5.0'		
Logged By: Athena Lakroun				Sample Interval: 3.0-3.5		
Hammer wt./fall: N/A						
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1219-07-SS01		0.0	Fine-grained sand	
				0.0		
2				0.0	Black coarse-grained gravel	
				0.0		
3				0.0		
				0.0		
4				0.0		
				0.0		
5		0.0				
		0.0				
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1219-08	
Client: Hilco			Date Start: 6/7/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/7/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun			Sample Interval: 2.0-2.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1219-08-SS01		0.0	Concrete fill and cobbles	
				0.0		
2				0.0	Brown fine-grained sand	
				0.0		
3				0.0	Mica	
				0.0		
4				0.0	Black coarse-grained gravel	
				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1220-01	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"		Sampling Method: Acetate Liner		Total Depth: 5.0'		
Logged By: Athena Lakroun		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-01-SS01		0.0	Concrete fill	
				0.0	Orange clay	
2				0.0		
				0.0	Rocks	
3				0.0		
				0.0	Black coarse-grained gravel and some fine-grained sand	
4				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1220-02	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-02-SS01		0.0	Concrete fill	
				0.0	Orange clay	
2				0.0		
				0.0		
3				0.0	Mix of black coarse-grained gravel, brown clay, angular brown rocks, and some red rocks	
				0.0		
4				0.0		
				0.0	Wet black coarse-grained gravel	
5		0.0				
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1220-03	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02			Location: Philadelphia, PA		Permit No.:	
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery			Drilling Method: Geoprobe		Datum: N/A	
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakrout			Sample Interval: 3.0-3.5		Hammer wt./fall: N/A	
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-03-SS01		0.0	Concrete fill	
				0.0		
2				0.0	Black fine-grained sand	
				0.0		
3				0.0	Rock and black fine-grained sand	
				0.0	Tan fine-grained sand and angular cobbles	
4				0.0		
				0.0	Black, brown, and red clay	
5				0.0		
6						
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1220-04	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/10/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/10/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Athena Lakroun				Sample Interval: 3.0-3.5		Total Depth: 5.0'
Sample No.				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-04-SS01		0.0	Concrete fill	
				0.0		
2				0.0		
				0.0	Grey fine-grained sand and angular cobbles	
3				0.0		
				0.0		
4				0.0	Black fine-grained sand and gravel with rocks	
				0.0		
5				0.0		
6						
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Ransom Consulting, LLC			Soil Boring Log		Boring No.: GPR1220-05	
Client: Hilco			Date Start: 6/10/2024		Page 1 of 1	
Project Name: PES Refinery			Date Finish: 6/10/2024			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Permit No.:		
Drilling Contractor: MB Drilling			Ground Elevation: N/A			
Driller: Joe Flannery		Drilling Method: Geoprobe		Datum: N/A		
Hole Diameter: 2"			Sampling Method: Acetate Liner		Total Depth: 5.0'	
Logged By: Athena Lakroun		Sample Interval: 3.0-3.5		Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-05-SS01		0.0	Concrete fill	
				0.0	Brown fine-grained sand and cobbles	
2				0.0	Sandy clay	
				0.0		
3				0.0	Pale fine-grained sand	
				0.0	Black clay	
4				0.0		
				0.0		
5				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1220-06	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/10/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/10/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Athena Lakroun				Sample Interval: 2.0-2.5		Total Depth: 5.0'
Sample No.				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-06-SS01		0.0	Concrete fill	
				0.0		
2				0.0	Orange clay and fine-grained sand	
				0.0		
3				0.0	Black coarse-grained gravel	
				0.0		
4				0.0		
				0.0		
5				0.0	Water	
				0.0		
6					END OF BORING (5 ft.)	
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1220-07	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/7/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Athena Lakroun				Sample Interval: 2.0-2.5		Total Depth: 5.0'
Sample No.				Recovery (Feet)		Hammer wt./fall: N/A
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-07-SS01		0.0	Fine-grained sand and rocks	
				0.0		
2				0.0	Black fine-grained sand and clay	
				0.0		
3				0.0		
				0.0		
4				0.0		
				0.0		
5				0.0		
				0.0		
6				END OF BORING (5 ft.)		
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Ransom Consulting, LLC		Soil Boring Log		Boring No.: GPR1220-08			
Client: Hilco		Project Name: PES Refinery		Page 1 of 1			
Project No. 200.00135.027.02		Location: Philadelphia, PA		Date Start: 6/7/2024			
Drilling Contractor: MB Drilling		Driller: Joe Flannery		Date Finish: 6/7/2024			
Hole Diameter: 2"		Sampling Method: Acetate Liner		Permit No.:			
Logged By: Athena Lakroul		Sample Interval: 4.5-5.0		Ground Elevation: N/A			
Datum: N/A		Total Depth: 5.0'		Hammer wt./fall: N/A			
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks	
1		GPR1220-08-SS01		0.0	Coarse-grained gravel		
				0.0			
2				0.0			
				0.0	Clay		
3				0.0			
				0.0			
4				0.0			
5				33.8			
END OF BORING (5 ft.)							
6							
7							
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Ransom Consulting, LLC		Soil Boring Log			Boring No.: GPR1220-09	
Client: Hilco				Page 1 of 1		
Project Name: PES Refinery				Date Start: 6/7/2024		
Project No. 200.00135.027.02				Location: Philadelphia, PA		Date Finish: 6/7/2024
Drilling Contractor: MB Drilling				Permit No.:		
Driller: Joe Flannery				Drilling Method: Geoprobe		Ground Elevation: N/A
Hole Diameter: 2"				Sampling Method: Acetate Liner		Datum: N/A
Logged By: Athena Lakroun				Sample Interval: 4.5-5.0		Total Depth: 5.0'
				Hammer wt./fall: N/A		
Depth (ft)	Blow Counts	Sample No.	Recovery (Feet)	PID/FID (ppm)	Lithologic Description	Remarks
1		GPR1220-09-SS01		0.0	Coarse-grained gravel with some glass and clay	
				0.0		
2				0.7		
				0.4		
3				3.2		
				4.8		
4				6.8		
				14.2		
5				18.2		
				112.8		
6					END OF BORING (5 ft.)	
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Appendix E

Historical Soil and Groundwater Analytical Results



Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	A-139		A-140		A-140		A-141		A-143		AOI5 BH-15-12		AOI5_BH-13-127	
Field Sample ID	Non-Res Direct	Non-Res Used	A-139_071207_1.5-2.0	A-140	A-140_071207_1.5-2.0	A-141	A-143_0712_1.5-2.0	BH-15-12_4-4.5	AOI-5_BH-13-127-0-1_103013					
Collection Depth (ft bgs)	Contact with Soil	Aquifer	1.5 - 2.0	0.5 - 2.0	1.5 - 2.0	0.5 - 2.0	1.5 - 2.0	4.0 - 4.5	0.0 - 1.0					
Sample Date	MSC	(TDS ≤ 2500)	7/12/2007	4/6/2009	7/12/2007	4/6/2009	7/12/2007	8/7/2012	10/30/2013					
Comments	Soil-to-GW MSC													
Volatile Organic Compounds														
Benzene	280	0.5	ND (0.0053)	ND (0.24)	ND (0.0038)	ND (0.28)	ND (0.0035)	ND (0.011)	ND (0.0013)					
Cumene	10000	2500	ND (0.0053)	ND (0.24)	ND (0.0038)	ND (0.28)	ND (0.0035)	ND (0.011)	ND (0.0066)					

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-13-128	AOI5_BH-13-129	AOI5_BH-13-130	AOI5_BH-13-131	AOI5_BH-13-132	AOI5_BH-13-133	AOI5_BH-13-134			
Field Sample ID	AOI-5_BH-13-128-0-1_103013	AOI-5_BH-13-129-0-1_103013	AOI-5_BH-13-130_0-1_103013	AOI-5_BH-13-131_0-1_103013	AOI-5_BH-13-132_0-1_103013	AOI-5_BH-13-133_0-1_103013	AOI-5_BH-13-134_0-1_103013			
Collection Depth (ft bgs)	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0			
Sample Date	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013			
Comments										
Volatile Organic Compounds										
Benzene	280	0.5	ND (0.0012)	ND (0.0011)	ND (0.0015)	ND (0.0015)	ND (0.0012)	ND (0.0011)	ND (0.0011)	ND (0.0012)
Cumene	10000	2500	ND (0.0059)	ND (0.0054)	ND (0.0076)	ND (0.0075)	ND (0.0061)	ND (0.0061)	ND (0.0055)	ND (0.0062)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-13-135	AOI5_BH-13-136	AOI5_BH-13-137	AOI5_BH-13-138	AOI5_BH-13-139	AOI5_BH-13-140	AOI5_BH-13-141		
Field Sample ID	AOI-5_BH-13-135-0-1_103013	AOI5-BH-13-136_103013_0-1	AOI5-BH-13-137_103013_0-1	AOI5-BH-13-138_103013_0-1	AOI5-BH-13-139_103013_0-1	AOI5-BH-13-140_103013_0-1	AOI5-BH-13-141_103013_0-1		
Collection Depth (ft bgs)	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0		
Sample Date	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	ND (0.0012)	ND (0.0012)	ND (0.0011)	ND (0.0014)	ND (0.0012)	ND (0.0013)	ND (0.0012)
Cumene	10000	2500	ND (0.0061)	ND (0.006)	ND (0.0057)	ND (0.0071)	ND (0.0061)	ND (0.0067)	ND (0.0061)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results

Tank Group 09
 Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-13-142	AOI5_BH-13-143	AOI5_BH-13-145	AOI5_BH-13-146	AOI5_BH-13-147	AOI5_BH-13-148	AOI5_BH-13-149
Field Sample ID	AOI5-BH-13-142_103013_0-1	AOI5-BH-13-143_103013_0-1	AOI5-BH-13-145_103013_0-1	AOI5-BH-13-146_103013_0-1	AOI5-BH-13-147_103013_0-1	AOI5-BH-13-148_103013_0-1	AOI5-BH-13-149_103013_0-1
Collection Depth (ft bgs)	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0	0.0 - 1.0
Sample Date	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013	10/30/2013
Comments							
Volatile Organic Compounds							
Benzene	280	0.5	ND (0.0015)	ND (0.0012)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Cumene	10000	2500	ND (0.0074)	ND (0.006)	ND (0.0059)	ND (0.0074)	ND (0.0057)

- Notes:**
- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
 - 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

- Abbreviations:**
- ND - Not Detected
 - NA - Not Analyzed
 - J - Estimated Concentration
 - D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-13-149	AOI5_BH-13-26	AOI5_BH-13-28	AOI5_BH-13-29	AOI5_BH-13-29	AOI5_BH-13-30	AOI5_BH-13-31		
Field Sample ID	AOI5-BH-13-DUP-103013_0-1	AOI5_BH-13-26_1.5-2_030813	AOI5_BH-13-28_1.5-2_30713	AOI5_BH-13-29_1-1.5_30613	AOI5_BH-13-24_2-2.5_030813	AOI5_BH-13-30_1.5-2_30713	AOI5_BH-13-31_1.5-2_30613		
Collection Depth (ft bgs)	0.0 - 1.0	1.5 - 2.0	1.5 - 2.0	1.0 - 1.5	2.0 - 2.5	1.5 - 2.0	1.5 - 2.0		
Sample Date	10/30/2013	3/8/2013	3/7/2013	3/6/2013	3/8/2013	3/7/2013	3/6/2013		
Comments	Field Duplicate								
Volatile Organic Compounds									
Benzene	280	0.5	ND (0.0011)	ND (0.00097)	0.0012 (0.0012)	ND (9.3)	<u>2.31 (1.3)</u>	ND (0.0009)	0.0161 (0.001)
Cumene	10000	2500	ND (0.0056)	ND (0.0048)	ND (0.006)	<u>15500 (460)</u>	<u>3160 (320)</u>	ND (0.0045)	0.0093 (0.005)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-13-33	AOI5_BH-13-34	AOI5_BH-13-34	AOI5_BH-13-35	AOI5_BH-13-36	AOI5_BH-13-37	AOI5_BH-13-37		
Field Sample ID	AOI5_BH-13-33_1.5-2_30713	AOI5_BH-13-34_1.5-2_30613	AOI5_BH-13-34_2.5-3_30613	AOI5_BH-13-35_1.5-2_30613	AOI5_BH-13-36_1.5-2_30613	AOI5_BH-13-37_1.5-2_030513	AOI5_BH-13-37-2.5-3_030513		
Collection Depth (ft bgs)	1.5 - 2.0	1.5 - 2.0	2.5 - 3.0	1.5 - 2.0	1.5 - 2.0	1.5 - 2.0	2.5 - 3.0		
Sample Date	3/7/2013	3/6/2013	3/6/2013	3/6/2013	3/6/2013	3/5/2013	3/5/2013		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	ND (0.073)	<u>13.6 (0.14)</u>	<u>35.3 (34)</u>	0.0512 (0.0012)	<u>2.62 (0.1)</u>	0.0021 (0.00081)	0.0011 J (0.0013)
Cumene	10000	2500	ND (0.37)	1650 (170)	<u>23200 (1700)</u>	ND (0.006)	881 (25)	ND (0.0041)	ND (0.0065)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results

Tank Group 09
 Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-13-44	AOI5_BH-14-03	AOI5_BH-14-04	AOI5_BH-14-05	AOI5_BH-14-09	AOI5_BH-14-09	AOI5_BH-14-10		
Field Sample ID	AOI5_BH-13-44_1.5-2_030813	AOI5_BH-14-03	AOI5_BH-14-04	AOI5_BH-14-05	AOI5_BH-14-09	AOI5_BH-14-09	AOI5_BH-14-10		
Collection Depth (ft bgs)	1.5 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	1.0 - 2.0	0.0 - 2.0		
Sample Date	3/8/2013	3/17/2014	3/17/2014	3/18/2014	3/18/2014	4/6/2009	3/18/2014		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	ND (0.00087)	ND (7)	<u>56.7 (0.92)</u>	ND (0.0011)	ND (0.0012)	NA	ND (0.0014)
Cumene	10000	2500	0.0044 (0.0044)	<u>21100 (3500)</u>	15.1 (0.46)	ND (0.0057)	ND (0.0058)	NA	ND (0.0068)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-14-11	AOI5_BH-14-12	AOI5_BH-14-12	AOI5_BH-14-13	AOI5_BH-14-26	AOI5_BH-14-27	AOI5_BH-14-28		
Field Sample ID	AOI5_BH-14-11	AOI5_BH-14-12	BH-14-12_3.5-4	AOI5_BH-14-13	AOI-5_BH_14-26_0-2'	AOI-5_BH_14-27_0-2'	AOI-5_BH_14-28_0-2'		
Collection Depth (ft bgs)	0.0 - 2.0	0.0 - 2.0	3.5 - 4.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0	0.0 - 2.0		
Sample Date	3/18/2014	3/18/2014	8/7/2012	3/18/2014	6/19/2014	6/19/2014	6/19/2014		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	0.00038 J (0.0013)	ND (0.00094)	0.008 (0.006)	ND (0.0011)	ND (0.00077)	ND (0.00059)	<u>1.76 (0.057)</u>
Cumene	10000	2500	ND (0.0064)	ND (0.0047)	0.004 J (0.006)	ND (0.0053)	ND (0.0077)	ND (0.0059)	ND (0.0043)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5_BH-14-28	AOI5_BH-14-29	AOI5_BH-14-30	AOI5_BH-14-30	AOI5_BH-14-31	AOI5_BH-14-31	AOI5-BH-13-27		
Field Sample ID	AOI-5_BH_14-28_4-6'	AOI-5_BH_14-29_0-2'	AOI-5_BH_14-30_0-2'	AOI-5_BH_14-30_4-6'	AOI-5_BH_14-31_0-2'	AOI-5_BH_14-31_4-6'	AOI5-BH-13-27-2.5-330713		
Collection Depth (ft bgs)	4.0 - 6.0	0.0 - 2.0	0.0 - 2.0	4.0 - 6.0	0.0 - 2.0	4.0 - 6.0	2.5 - 3.0		
Sample Date	6/19/2014	6/19/2014	6/19/2014	6/19/2014	6/19/2014	6/19/2014	3/7/2013		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	<u>664 (4.1)</u>	0.0337 (0.00077)	<u>3.13 (0.068)</u>	<u>984 (8.2)</u>	0.125 (0.00076)	0.0712 (0.00088)	0.0336 (0.0011)
Cumene	10000	2500	0.0015 J (0.0075)	0.0008 J (0.0077)	0.00027 J (0.0052)	0.0034 J (0.007)	ND (0.0076)	ND (0.0088)	0.0445 (0.0056)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location			AOI5-BH-21-SH01	AOI5-BH-21-SH01	AOI5-BH-21-SH02	AOI5-BH-21-SH02	AOI5-BH-21-SH03	AOI5-BH-21-SH03	AOI5-BH-21-SH04	
Field Sample ID	Non-Res Direct	Non-Res Used	BH-SH01_2.6-3_20210609	BH-SH01_10-12_20210610	BH-SH02_3.3-3.8_20210609	BH-SH02_18-19_20210610	BH-SH03_0-2_20210610	BH-SH03_24-25_20210609	BH-SH04_14-15_20210609	
Collection Depth (ft bgs)	Contact with Soil	Aquifer	2.6 - 3.0	10.0 - 12.0	3.3 - 3.8	18.0 - 19.0	0.0 - 2.0	24.0 - 25.0	14.0 - 15.0	
Sample Date	MSC	(TDS ≤ 2500)	6/9/2021	6/10/2021	6/9/2021	6/10/2021	6/10/2021	6/9/2021	6/9/2021	
Comments	Soil-to-GW MSC									
Volatile Organic Compounds										
Benzene	280	0.5	NA	NA	NA	NA	NA	NA	NA	
Cumene	10000	2500	<u>21000 (430)</u>	180 (4.8)	<u>5000 (400)</u>	ND (0.0081)	<u>47000 (1200)</u>	ND (0.0092)	3.1 (0.39)	

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	AOI5-BH-21-SH04	AOI5-BH-21-SH04	AOI5-BH-21-SH05	AOI5-BH-21-SH05	GP-1208-LINE-1	GP-1208-LINE-2	GP-1208-LINE-3	
Field Sample ID	BH-SH04_2.9-3.4_20210609	BH-SH04_2.9-3.4_20210609 DUP	BH-SH05_14-15_20210609	BH-SH05_2.9-3.4_20210609	GP-1208-LINE-1	GP-1208-LINE-2	GP-1208-LINE-3	
Collection Depth (ft bgs)	2.9 - 3.4	2.9 - 3.4	14.0 - 15.0	2.9 - 3.4	6.0 - 6.5	6.0 - 6.5	6.0 - 6.5	
Sample Date	6/9/2021	6/9/2021	6/9/2021	6/9/2021	5/30/2007	5/30/2007	5/30/2007	
Comments		Field Duplicate						
Volatile Organic Compounds								
Benzene	280	0.5	NA	NA	NA	2.4 D (0.21)	1 D (0.19)	0.75 D (0.17)
Cumene	10000	2500	<u>14000 (390)</u>	<u>10000 (290)</u>	2 (0.47)	120 (4.8)	NA	NA

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results

Tank Group 09
 Bellwether District Holdings, LLC, Philadelphia, PA

Location	GP-1208-LINE-4	GP-1208-LINE-5	GP-1208-LINE-6	GP-1208-LINE-7	GP-1208-PER-1	GP-1208-PER-2	GP-1208-PER-3		
Field Sample ID	GP-1208-LINE-4	GP-1208-LINE-5	GP-1208-LINE-6	GP-1208-LINE-7	GP-1208-PER-1	GP-1208-PER-2	GP-1208-PER-3		
Collection Depth (ft bgs)	6.0 - 6.5	6.0 - 6.5	6.0 - 6.5	6.0 - 6.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5		
Sample Date	5/30/2007	5/30/2007	5/30/2007	5/30/2007	5/30/2007	5/30/2007	5/30/2007		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	<u>0.93 D (0.23)</u>	ND,D (0.26)	0.2 J,D (0.22)	<u>1.9 D (0.25)</u>	<u>1 D (0.28)</u>	<u>4.8 D (0.21)</u>	<u>16 D (0.3)</u>
Cumene	10000	2500	NA	NA	NA	NA	NA	NA	NA

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results

Tank Group 09
 Bellwether District Holdings, LLC, Philadelphia, PA

Location	GP-1208-PER-4	GP-1208-PER-5	GP-1208-SUB-1	GP1209-1210	GP1209-E	GP1209-NW	GP1209-PP		
Field Sample ID	GP-1208-PER-4	GP-1208-PER-5	GP-1208-SUB-1	GP1209-1210-2.6-3.1	GP1209-E-2.8-3.3	GP1209-NW-2.8-3.3	GP1209-PP-0.5		
Collection Depth (ft bgs)	3.0 - 3.5	3.0 - 3.5	5.0 - 5.5	2.6 - 3.1	2.8 - 3.3	2.8 - 3.3	0.5 - 1.0		
Sample Date	5/30/2007	5/30/2007	5/30/2007	1/23/2012	1/23/2012	1/23/2012	1/23/2012		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	<u>5.4 D (0.28)</u>	<u>8 D (0.19)</u>	<u>0.76 D (0.29)</u>	<u>230 (1.8)</u>	<u>13 (0.046)</u>	<u>4 (0.048)</u>	<u>2.2 (0.036)</u>
Cumene	10000	2500	NA	NA	NA	510 (3.6)	0.23 J (0.092)	26 (0.096)	4.1 (0.073)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location			GP1209-SW	GP1210-NW	GP1210-SW	GP1212-NE	GP1212-NW	GP1212-PP	GP1212-SE
Field Sample ID	Non-Res Direct	Non-Res Used	GP1209-SW-3.0-3.5	GP1210-NW-2.9-3.4	GP1210-SW-3.3-3.8	GP1212-NE-2.9-3.4	GP1212-NW-2.7-3.2	GP1212-PP-0.5	GP1212-SE-2.9-3.4
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.0 - 3.5	2.9 - 3.4	3.3 - 3.8	2.9 - 3.4	2.7 - 3.2	0.5 - 1.0	2.9 - 3.4
Sample Date	MSC	(TDS ≤ 2500)	1/23/2012	1/23/2012	1/23/2012	1/23/2012	1/23/2012	1/23/2012	1/23/2012
Comments		Soil-to-GW MSC							
Volatile Organic Compounds									
Benzene	280	0.5	<u>49 J (28)</u>	<u>1.4 (0.051)</u>	<u>910 (4.6)</u>	<u>6.6 J (4.6)</u>	0.18 J (0.054)	0.034 (0.001)	ND (5.2)
Cumene	10000	2500	<u>13000 (56)</u>	1.5 (0.1)	<u>33000 (370)</u>	<u>28000 (360)</u>	14 (0.11)	0.033 (0.002)	<u>30000 (420)</u>

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	GP1212-SW	GPBR_08212014_B8	GPBT_03062014_2_12	GPBT_03072014_4_10	GPBT_03072014_4_7	GPBT_03072014_5_1		
Field Sample ID	GP1212-SW-2.7-3.2	GPBR_016G_08-21-2014(PH3B-8)	GPBT_003G_03-06-2014(STF2-12)	GPBT_009G_03-07-2014(STF4-10)	GPBT_008G_03-07-2014(STF4-7)	GPBT_010G_03-07-2014(STF5-1)		
Collection Depth (ft bgs)	2.7 - 3.2	1	2	2	2	2		
Sample Date	1/23/2012	8/21/2014	3/6/2014	3/7/2014	3/7/2014	3/7/2014		
Comments								
Volatile Organic Compounds								
Benzene	280	0.5	0.003 J (0.0008)	ND (0.0013)	0.0214 J (0.11)	ND (0.13)	<u>0.64 J (0.7)</u>	0.0721 J (0.18)
Cumene	10000	2500	0.011 (0.002)	ND (0.013)	0.636 (0.53)	1.09 (0.63)	5.74 (3.5)	ND (0.9)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	GPBT_03072014_5_6	GPBT_03072014_5_8	GPBT_03102014_6_3	GPBT_03112014_8_4	GPBT_03112014_8_5	GPBT_03112014_9_1		
Field Sample ID	GPBT_011G_03-07-2014(STF5-6)	GPBT_012G_03-07-2014(STF5-8)	GPBT_013G_03-10-2014(STF6-3)	GPBT_025G_03-11-2014(STF 8-4)	GPBT_026G_03-11-2014(STF 8-5)	GPBT_019G_03-11-2014(STF 9-1)		
Collection Depth (ft bgs)	2	2	2	2	2	2		
Sample Date	3/7/2014	3/7/2014	3/10/2014	3/11/2014	3/11/2014	3/11/2014		
Comments								
Volatile Organic Compounds								
Benzene	280	0.5	0.153 (0.089)	ND (0.00091)	ND (0.00094)	ND (0.16)	ND (0.23)	ND (0.0016)
Cumene	10000	2500	ND (0.44)	ND (0.0046)	ND (0.0047)	0.0925 J (0.79)	ND (1.1)	0.13 (0.0079)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	GPBT_03112014_9_4	GPBT_03112014_9_8	GPBT_03122014_1_12	GPBT_03122014_10_1	GPBT_03122014_10_3	GPBT_03122014_10_6		
Field Sample ID	GPBT_020G_03-11-2014(STF 9-4)	GPBT_021G_03-11-2014(STF 9-8)	GPBT_033G_03-12-2014 (STF1-12)	GPBT_034G_03-12-2014 (STF10-1)	GPBT_035G_03-12-2014 (STF10-3)	GPBT_036G_03-12-2014 (STF10-6)		
Collection Depth (ft bgs)	2	2	2	2	2	2		
Sample Date	3/11/2014	3/11/2014	3/12/2014	3/12/2014	3/12/2014	3/12/2014		
Comments								
Volatile Organic Compounds								
Benzene	280	0.5	ND (0.12)	ND (0.0018)	ND (0.22)	<u>0.817 (0.19)</u>	0.362 (0.17)	ND (0.25)
Cumene	10000	2500	1.11 (0.62)	0.0128 (0.0091)	ND (1.1)	1.14 (0.93)	2.09 (0.84)	2.42 (1.2)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	PE-3A-14-1	PE-3A-14-2	PE-3A-14-3	PE-3A-14-4	PE-3A-14-4	PE-3A-14-5	PE-3A-14-6		
Field Sample ID	PE-3A-14-1	PE-3A-14-2	PE-3A-14-3	PE-3A-14-4	PE-DUP-33114	PE-3A-14-5	PE-3A-14-6		
Collection Depth (ft bgs)	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5		
Sample Date	3/31/2014	3/31/2014	3/31/2014	3/31/2014	3/31/2014	3/31/2014	3/31/2014		
Comments					Field Duplicate				
Volatile Organic Compounds									
Benzene	280	0.5	ND (0.0011)	ND (0.0013)	ND (0.0011)	ND (0.001)	ND (0.0013)	ND (0.00068)	0.00059 J (0.0011)
Cumene	10000	2500	0.00054 J (0.0057)	ND (0.0064)	ND (0.0054)	ND (0.0052)	ND (0.0063)	ND (0.0034)	0.00041 J (0.0057)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	PE-3A-14-7	PE-3A-14-8	PE-3B-14-1	PE-3B-14-2	PE-3B-14-3	PE-3B-14-4	PE-3B-14-5		
Field Sample ID	PE-3A-14-7	PE-3A-14-8	PE-3B-14-1	PE-3B-14-2	PE-3B-14-3	PE-3B-14-4	PE-3B-14-5		
Collection Depth (ft bgs)	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5		
Sample Date	3/31/2014	3/31/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014		
Comments									
Volatile Organic Compounds									
Benzene	280	0.5	ND (0.0013)	ND (0.0013)	<u>75.4 (7.6)</u>	<u>527 (9.8)</u>	<u>484 (10)</u>	<u>859 (12)</u>	<u>327 (10)</u>
Cumene	10000	2500	0.00033 J (0.0065)	0.00047 J (0.0066)	1610 (380)	<u>12200 (980)</u>	<u>5200 (500)</u>	<u>6640 (300)</u>	<u>12400 (500)</u>

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1
Summary of Historical Soil Analytical Results
Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location	PE-3B-14-6	PE-3B-14-7	PE-3B-14-8	PE-4-14-1	PE-4-14-2	PE-4-14-3	PE-4-14-3		
Field Sample ID	PE-3B-14-6	PE-3B-14-7	PE-3B-14-8	PE-4-14-1~REVISED	PE-4-14-2~REVISED	PE-4-14-3~REVISED	PE-DUP-040114~REVISED		
Collection Depth (ft bgs)	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5		
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014		
Comments							Field Duplicate		
Volatile Organic Compounds									
Benzene	280	0.5	<u>45.1 (6.6)</u>	<u>309 (12)</u>	<u>702 (11)</u>	0.114 J (0.29)	0.0678 J (0.23)	ND (0.16)	0.0494 J (0.19)
Cumene	10000	2500	1510 (170)	1930 (58)	<u>2960 (270)</u>	10.1 (1.4)	6.27 (1.1)	1.37 (0.78)	6.54 (0.95)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E1

Summary of Historical Soil Analytical Results

Tank Group 09

Bellwether District Holdings, LLC, Philadelphia, PA

Location			PE-4-14-4	PE-4-14-5	PE-4-14-6	PE-4-14-7	PE-4-14-8
Field Sample ID	Non-Res Direct	Non-Res Used	PE-4-14-4~REVISED	PE-4-14-5~REVISED	PE-4-14-6~REVISED	PE-4-14-7~REVISED	PE-4-14-8~REVISED
Collection Depth (ft bgs)	Contact with Soil	Aquifer	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5
Sample Date	MSC	(TDS ≤ 2500)	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014
Comments	Soil-to-GW MSC						
Volatile Organic Compounds							
Benzene	280	0.5	ND (0.096)	0.0807 J (0.22)	0.0521 J (0.15)	0.151 J (0.24)	0.178 J (0.21)
Cumene	10000	2500	3 (0.48)	5.78 (1.1)	2.13 (0.75)	4.79 (1.2)	1.2 (1)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during AST Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed
- J - Estimated Concentration
- D - Indicates a dilution

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-1	A-1	A-1	A-1	A-1	A-1	A-1	A-137	A-137	A-137	A-137
Field Sample ID	Groundwater MSC	A-1~10/22/2004	A-1_1242006	A-1_050707	A-1~2011-2012	A-1_071814	A-1_102214	A-137~1/1/1995	A-137~1/1/1996	A-137~1/1/1997	A-137~1/1/1998	
Sample Date	Used Aquifer	10/22/2004	12/4/2006	5/7/2007	1/24/2012	7/18/2014	10/22/2014	1/1/1995	1/1/1996	1/1/1997	1/1/1998	
Comments	(TDS ≤ 2500)											
Volatile Organic Compounds												
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	0.00042 J (0.0005)	ND (0.0005)	ND	ND (0.0003)	ND (0.001)	ND (0.001)	
Cumene	3.5	ND (0.005)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.001)	ND (0.001)	NA	NA	NA	NA	

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137
Field Sample ID	Groundwater MSC	A-137~1/1/1999	A-137~1/1/2000	A-137~1/1/2001	A-137~1/1/2002	A-137~11/13/2003	A-137~10/22/2004	A-137_11_9_2005	A-137~12/4/2006	A-137_050707	A-137~12/6/2007	
Sample Date	Used Aquifer	1/1/1999	1/1/2000	1/1/2001	1/1/2002	11/13/2003	10/22/2004	11/9/2005	12/4/2006	5/7/2007	12/6/2007	
Comments	(TDS ≤ 2500)											
Volatile Organic Compounds												
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)
Cumene	3.5	NA	NA	NA	NA	NA	NA	NA	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137	A-137
Field Sample ID	Groundwater MSC	A-137_110308	A-137~11/17/2010	A-137~11/16/2011	A-137~2011-2012	A-137_040813	A-137~JB68336	A-137_071714	A-137_101514	A-137_20150521	A-137-20160519	
Sample Date	Used Aquifer	11/3/2008	11/17/2010	11/16/2011	11/16/2011	4/8/2013	6/2/2014	7/17/2014	10/15/2014	5/21/2015	5/19/2016	
Comments	(TDS ≤ 2500)											
Volatile Organic Compounds												
Benzene	0.005	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)
Cumene	3.5	ND (0.002)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.002)	ND (0.002)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-137	A-137	A-137	A-137	A-138	A-138	A-138	A-138	A-139	A-139
Field Sample ID	Groundwater MSC	A-137-20170522	A-137_20180627	A-137_20230509	A-137_20240423	A-138	A-138~11/17/2010	A-138~11/21/2011	A-138_040813	A-139_050707	A-139~2011-2012
Sample Date	Used Aquifer	5/22/2017	6/27/2018	5/9/2023	4/23/2024	4/24/2009	11/17/2010	11/21/2011	4/8/2013	5/7/2007	1/24/2012
Comments	(TDS ≤ 2500)										
Volatile Organic Compounds											
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	NA	<u>0.006</u>	0.004 J	0.00076 J (0.001)	ND (0.005)	ND (0.0005)
Cumene	3.5	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	0.42 (0.02)	<u>7.9</u>	1.7	0.104 (0.002)	ND (0.005)	ND (0.0005)

Notes:

- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
- 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
- 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:

ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-139	A-139	A-139	A-139	A-139	A-139	A-139	A-139	A-139	A-139	A-139
Field Sample ID	Groundwater MSC	A-139~JB68336	A-139_071814	A-139_102114	A-139_20150521	A-139_20190627	A-139_20191104	A-139_20210428	A-139_20220411	A-139_20230508	A-139_20240423	
Sample Date	Used Aquifer	6/2/2014	7/18/2014	10/21/2014	5/21/2015	6/27/2019	11/4/2019	4/28/2021	4/11/2022	5/8/2023	4/23/2024	
Comments	(TDS ≤ 2500)											
Volatile Organic Compounds												
Benzene	0.005	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.0005)
Cumene	3.5	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-140	A-140	A-140	A-140	A-140	A-140	A-140	A-140	A-140	A-140	A-140
Field Sample ID	Groundwater MSC	A-140_050707	A-140~11/17/2010	A-140~11/16/2011	A-140_040813	A-140~JB68336	A-140_071814	A-140_102114	A-140_20150521	A-140_20190627	A-140_20191104	
Sample Date	Used Aquifer	5/7/2007	11/17/2010	11/16/2011	4/8/2013	6/2/2014	7/18/2014	10/21/2014	5/21/2015	6/27/2019	11/4/2019	
Comments	(TDS ≤ 2500)											
Volatile Organic Compounds												
Benzene	0.005	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)
Cumene	3.5	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.002)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.002)	ND (0.005)	ND (0.005)	ND (0.005)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-140	A-140	A-140	A-141	A-142	A-142	A-142	A-143	A-143	A-143
Field Sample ID	Groundwater MSC	A-140_20210429	A-140_20220411	A-140_20230508	A-141_050707	A-142_050707	A-142_071714	A-142_101514	A-143_050307	A-143	A-143_071814
Sample Date	Used Aquifer	4/29/2021	4/11/2022	5/8/2023	5/7/2007	5/7/2007	7/17/2014	10/15/2014	5/3/2007	1/24/2012	7/18/2014
Comments	(TDS ≤ 2500)										
Volatile Organic Compounds											
Benzene	0.005	0.0003 J (0.001)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)
Cumene	3.5	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)	0.026 (0.005)	0.005	0.023 (0.001)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-143	A-190	A-190	A-191	A-191	A-192	A-192	A-192	A-192	A-193
Field Sample ID	Groundwater MSC	A-143_101414	A-190_20211229	A-190_20220411	A-191_20211229	A-191_20220412	A-192_20211229	A-192_20220412	A-192_20230509	A-192_20240423	A-193_20211229
Sample Date	Used Aquifer	10/14/2014	12/29/2021	4/11/2022	12/29/2021	4/12/2022	12/29/2021	4/12/2022	5/9/2023	4/23/2024	12/29/2021
Comments	(TDS ≤ 2500)										
Volatile Organic Compounds											
Benzene	0.005	ND (0.0005)	ND (0.005)	ND (0.013)	<u>0.067 (0.005)</u>	<u>0.0274 (0.013)</u>	<u>0.015 (0.01)</u>	ND (0.01)	ND (0.01)	0.00081 (0.0005)	ND (0.001)
Cumene	3.5	ND (0.001)	<u>8.6 (0.25)</u>	<u>7.74 (0.1)</u>	<u>11 (0.25)</u>	<u>9.18 (0.1)</u>	<u>18 (0.5)</u>	<u>4.42 (0.05)</u>	2.72 (0.02)	1.65 (0.01)	ND (0.005)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-193	A-3	A-3	A-3	A-3	A-3	A-3	A-3	A-39	A-39	A-39
Field Sample ID	Groundwater MSC	A-193_20220408	A-3~10/27/2004	A-3_1242006	A-3_050307	A-3~2011-2012	A-3_072414	A-3_102014	A-39	A-39_1242006	A-39_050707	
Sample Date	Used Aquifer	4/8/2022	10/27/2004	12/4/2006	5/3/2007	1/24/2012	7/24/2014	10/20/2014	10/22/2004	12/4/2006	5/7/2007	
Comments	(TDS ≤ 2500)											
Volatile Organic Compounds												
Benzene	0.005	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.001)	ND (0.005)	
Cumene	3.5	ND (0.001)	0.023	0.0043 (0.001)	0.0068 (0.005)	0.004	0.17 (0.001)	0.0305 (0.001)	ND (0.005)	ND (0.001)	ND (0.005)	

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-39	A-39	A-4	A-4	A-4	A-4	A-4	A-4	A-4	A-4
Field Sample ID	Groundwater MSC	A-39_071714	A-39_100814	A-4	A-4_071714	A-4_101514	A-4_20190711	A-4_20191115	A-4_20210430	A-4_20220413	A-4_20240423
Sample Date	Used Aquifer	7/17/2014	10/8/2014	10/22/2004	7/17/2014	10/15/2014	7/11/2019	11/15/2019	4/30/2021	4/13/2022	4/23/2024
Comments	(TDS ≤ 2500)										
Volatile Organic Compounds											
Benzene	0.005	ND (0.0005)	ND (0.0005)	0.0012	ND (0.0005)	0.00027 J (0.0005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.0005)	ND (0.0005)
Cumene	3.5	ND (0.001)	ND (0.001)	ND (0.005)	0.00077 J (0.001)	0.0046 (0.001)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.001)	ND (0.001)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-40	A-40	A-40	A-40	A-40	A-41	A-41	A-41	A-44	A-44
Field Sample ID	Groundwater MSC	A-40	A-40_1242006	A-40_050707	A-40_071714	A-40_100814	A-41_050707	A-41_072914	A-41_100814	A-44_1242006	A-44_050307
Sample Date	Used Aquifer	10/22/2004	12/4/2006	5/7/2007	7/17/2014	10/8/2014	5/7/2007	7/29/2014	10/8/2014	12/4/2006	5/3/2007
Comments	(TDS ≤ 2500)										
Volatile Organic Compounds											
Benzene	0.005	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.0005)	ND (0.001)	ND (0.005)
Cumene	3.5	ND (0.005)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.005)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Table E2
Summary of Historical Groundwater Analytical Results
Tank Group 09
Bellwether District Holdings, LLC, Philadelphia, PA

Location	Non-Residential	A-44	A-44	A-6	A-6	A-6	A-9	A-9	A-9	A-9	A-9
Field Sample ID	Groundwater MSC	A-44_071814	A-44_101414	A-6_050907	A-6_073014	A-6_101714	A-9	A-9_1242006	A-9_050407	A-9_072814	A-9_101314
Sample Date	Used Aquifer	7/18/2014	10/14/2014	5/9/2007	7/30/2014	10/17/2014	10/21/2004	12/4/2006	5/4/2007	7/28/2014	10/13/2014
Comments	(TDS ≤ 2500)										
Volatile Organic Compounds											
Benzene	0.005	ND (0.0005)	ND (0.0005)	ND (0.005)	ND (0.0005)	ND (0.005)	ND (0.001)	ND (0.001)	ND (0.005)	ND (0.0005)	ND (0.0005)
Cumene	3.5	ND (0.001)	ND (0.001)	0.00073 J (0.005)	0.0012 (0.001)	ND (0.01)	ND (0.005)	ND (0.001)	ND (0.005)	ND (0.001)	ND (0.001)

- Notes:**
- 1 All concentrations reported in mg/L (ppm); detection limits in parentheses.
 - 2 Only results for chemical analyzed by BDH during Site Assessment sampling (i.e., benzene and cumene) are shown.
 - 3 Underlined concentrations exceed the Non-Residential Groundwater MSC Used Aquifer (TDS ≤ 2500).

Abbreviations:
ND - Not Detected
NA - Not Analyzed
J - Estimated Concentration

Appendix F

Tank Registration Amendment Forms





2250 E Adams Ave • Philadelphia, PA 19124 Office:
 215.533.8890 • Fax: 215.533.8897
 Website • www.NorthStar.com

March 2, 2022

Pennsylvania Department of Environmental Protection
 Southeast Regional Office
 Division of Storage Tanks
 2 East Main Street
 Norristown, Pennsylvania 19401

Via email: RA-serotanks@pa.gov, ra-tanks@pa.gov

**Re: Philadelphia Energy Solutions Refining and Marketing, LLC (PESRM)
 PADEP Storage Tanks Registration/Permitting Application Form PADEP Facility ID #51-97890 – Girard
 Point Process Area South Tank Field**

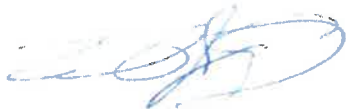
To whom it may concern:

NorthStar Contracting Group, Inc. as the Facility Operator and on behalf of the former Philadelphia Energy Solutions Refining and Marketing LLC, please find attached the Pennsylvania Department of Environmental Protection's Storage Tank Registration/Permitting Application Form(s) for the removal of the following thirteen (13) Aboveground Storage Tank(s) located at the former Girard Point Processing Area south Tank Field.

AST's Removed from Girard Point Process Area – February (2023) - Facility ID# - (51-97890)				
Item #	PADEP Tank ID #	AMS Tank ID #	Facility ID#	Removal Date
1.	001A	P-025	GP 1205	2/6/2023
2.	012A	P-026	GP 1208	2/6/2023
3.	013A	P-163	GP 1209	2/8/2023
4.	003A	P-027	GP 1211	2/7/2023
5.	014A	P-165	GP 1212	2/7/2023
6.	004A	P-028	GP 1213	2/8/2023
7.	005A	P-029	GP 1214	2/7/2023
8.	009A	P-030	GP 1215	2/9/2023
9.	010A	P-002	GP 1216	2/2/2023
10.	011A	P-003	GP 1217	2/21/2023
11.	006A	P-166	GP 1218	2/21/2023
12.	007A	P-031	GP 1219	2/16/2023
13.	008A	P-167	GP 1220	2/17/2023

If there are any questions, I can be reached via phone or email at 440-228-1524 /
rarmstrong@nothstar.com

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read 'Robert Armstrong Sr.', with a stylized flourish at the end.

Robert Armstrong Sr. Project
Manager
NorthStar Contracting Group, Inc.

Enclosures: Storage Tank Registration/Permitting Application Forms

cc:

Gary Bowman (NorthStar)
Dr. Kassahun Sellassie (AMS)
Thomas Barsley (AMS)
Charles Barksdale (Hilco)
Edward Wiener (AMS)
Mike Leonardo (Hilco)

Form



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

STORAGE TANKS REGISTRATION / PERMITTING APPLICATION FORM

Before completing this form, read the step-by-step instructions provided in this application package.

51-97890 Facility ID # Phila Ref Girard Point Proc. Area Facility Name	DEP USE ONLY <hr/> Client ID# <hr/> Site ID# <hr/> Account # <hr/> Auth ID# <hr/> APS ID# <hr/> Master Auth ID#
---	--

I. PURPOSE OF SUBMITTAL

INITIAL (Applies to First-Time Facility Registration)

- | | |
|---|--|
| <input type="checkbox"/> Register Tanks(s) to be Used* | <input type="checkbox"/> Register Tank(s) to be Temporarily Out of Use |
| <input type="checkbox"/> Register Tank(s) to be Removed | <input type="checkbox"/> Register Tank(s) to be Closed in Place |

AMENDED (Applies to Currently Registered Tank(s) or Existing Facility)

- | | |
|--|---|
| <input type="checkbox"/> Changed Owner Information | <input type="checkbox"/> Changed Contact Information |
| <input type="checkbox"/> Changed Facility Information | <input type="checkbox"/> Changed Facility Operator Information |
| <input type="checkbox"/> Changed to Currently In Use Tank(s)* | <input type="checkbox"/> Added Tank(s) to Existing Facility* |
| <input type="checkbox"/> Changed to Temporarily Out of Use Tank(s) | <input checked="" type="checkbox"/> Changed to Permanently Closed Tank(s)/Removed |
| <input type="checkbox"/> Changed Product | <input type="checkbox"/> Changed to Exempt Tank(s) |

CHANGE OF OWNERSHIP

- Tanks Changed Ownership and Remain at Same Facility*

* For Underground Storage Tanks (UST), attach the UST Operator Training Documentation Form (2630-PM-BECB0514a) and copies of the Class A and Class B operator training certificates.

II. CURRENT OR NEW TANK OWNER / CLIENT INFORMATION

DEP Client ID#	Client Type/Code	Fee Kind (check one if applicable)			
298341		<input type="checkbox"/> Volunteer Fire Co/EMS Org	<input type="checkbox"/> State Govt	<input type="checkbox"/> Fed Govt	
Organization Name or Registered Fictitious Name		Employer ID# (EIN)		Dun & Bradstreet ID#	
Philadelphia Energy Solutions Refining and Marketing LLC		61-1689574			
Individual Last Name	First Name	MI	Suffix	SSN	
Garr	Anne				
Additional Individual Last Name	First Name	MI	Suffix	SSN	
Mailing Address Line 1		Mailing Address Line 2			
111 S Wacker Drive		Suite 3000			
Address Last Line - City		State	ZIP+4	Country	
Chicago		IL	60606	USA	
Client Contact Last Name		First Name	MI	Suffix	
Garr		Anne			
Client Contact Title		Phone		Ext	
Assistant Secretary, PESRM LLC		(312)283-4469			
E-mail Address		FAX			
Agarr@hilcoglobal.com					

III. SITE INFORMATION

DEP Site ID# 456930	Site Name Former Philadelphia Energy Solutions Refining and Marketing LLC				
EPA ID# PAD049791098	Estimated Number of Employees to be Present at Site 50				
Description of Site Former Refinery					
County Name Philadelphia	Municipality Philadelphia	City <input checked="" type="checkbox"/>	Boro <input type="checkbox"/>	Twp <input type="checkbox"/>	State
County Name	Municipality	City <input type="checkbox"/>	Boro <input type="checkbox"/>	Twp <input type="checkbox"/>	State
Site Location Line 1 3144 Passyunk Ave.			Site Location Line 2 .		
Site Location Last Line – City Philadelphia		State PA	ZIP+4 19145		
Detailed Written Directions to Site					

Site Contact Last Name Garr	First Name Anne	MI	Suffix
Site Contact Title Assistant Secretary, PESRM LLC		Site Contact Firm Hilco Redevelopment Partners (HRP)	
Mailing Address Line 1 111' S Wacker Drive		Mailing Address Line 2 Suite 3000	
Address Last Line – City Chicago		State IL	ZIP+4 60606
Phone 312-283-4469	Ext	FAX	E-mail Address agarr@hilcoglobal.com
NAICS Codes (Two- & Three-Digit Codes – List All That Apply)			6-Digit Code (Optional) 238910
Site to Client Relationship			

IIIa. PROPERTY OWNER INFORMATION

Same as Tank Owner Identified in Section II. Different than Tank Owner Identified in Section II; identified below.

Organization Name or Registered Fictitious Name		Employer ID# (EIN)	Dun & Bradstreet ID#	
Individual Last Name	First Name	MI	Suffix	SSN
Additional Individual Last Name	First Name	MI	Suffix	SSN
Mailing Address Line 1		Mailing Address Line 2		
Address Last Line – City		State	ZIP+4	Country
Property Owner Contact Last Name	First Name	MI	Suffix	
Property Owner Contact Title		Phone	Ext	
E-mail Address			FAX	

IV. FACILITY INFORMATION

DEP Storage Tank Facility ID# 51-97890	Facility Name Phila Ref Girard Point Proc. Area South Tank Field	Facility Kind PDIST				
Facility Location Line 1 (if different than Site Location)		Facility Location Line 2				
Facility Location Last Line - City		State ZIP+4				
Latitude/Longitude Point of Origin	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Horizontal Accuracy Measure	Feet	--or--		Meters		
Horizontal Reference Datum Code	<input type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input type="checkbox"/> World Geodetic System of 1984					
Horizontal Collection Method Code						
Reference Point Code						
Altitude	Feet	--or--		Meters		
Altitude Datum Name	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					
Altitude (Vertical) Location Datum Collection Method Code						
Geometric Type Code						
Data Collection Date						
Source Map Scale Number		Inch(es)	=	Feet		
	--or--	Centimeter(s)	=	Meters		
Flammable & Combustible Liquid Permit # (if applicable)						
State or Municipality that Issued the Permit						

FACILITY OPERATOR INFORMATION

<input type="checkbox"/> Same as Owner Identified in Section II.		<input checked="" type="checkbox"/> Different than Owner Identified in Section II; identified below.				
DEP Client ID#	Client Type / Code					
Organization Name or Registered Fictitious Name NorthStar Contracting Group, Inc			Employer ID# (EIN) 13-3879343		Dun & Bradstreet ID#	
Individual Last Name Bowman	First Name Gary	MI P	Suffix Sr.	SSN		
Additional Individual Last Name	First Name	MI	Suffix	SSN		
Mailing Address Line 1 2250 E. Adams Avenue		Mailing Address Line 2				
Address Last Line - City Philadelphia	State PA	ZIP+4 19124	Country USA			
Client Contact Last Name Armstrong	First Name Robert	MI J	Suffix			
Client Contact Title President	Phone NorthStar Contracting Group, Inc.	Phone 215-533-8890		Ext		
E-mail Address gbowman@northstar.com				FAX		

V. CHANGE OF OWNERSHIP INFORMATION

- All Tanks Changed Ownership at the Facility
 Some Tanks Changed Ownership at the Facility (List all applicable tank numbers in Section VI.)

OWNERSHIP CHANGE TO - Client information is noted in Section II.

OWNERSHIP CHANGE FROM (previous owner information)

Name _____
Employer ID# (EIN) or SSN _____
Mailing Address Line 1 _____
Mailing Address Line 2 _____
Address Last Line - City _____ State _____ ZIP+4 _____
Previous Facility ID# _____

DATE OF SALE/TRANSFER	_____
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SIGNATURE & CERTIFICATION OF PREVIOUS OWNER

Previous owner's signature is not available. As required, the "new" owner has attached a deed of transfer or other proof of ownership to this application. Yes No N/A

I have reviewed this form for submission to the Department. I certify under penalty of law as provided in 18 PA. C.S.A. §4903 (relating to false swearing) and 18 PA. C.S.A. §4904 (relating to unsworn falsification to authorities), that I have the authority to sign this Section for the transfer of permit or registration for the storage tanks listed herein. Further, I certify that all information provided in Section V is true, accurate and complete to the best of my knowledge and belief.

Type or Print Previous Owner Name _____

Previous Owner Signature Title Date

VII. ABOVEGROUND & UNDERGROUND NEW TANK INSTALLATION INFORMATION

The DEP Certified Installer should complete this section. New tanks listed in Section VI must also be listed in this Section. Write the Tank Number(s) and place an in the appropriate box for each component that was installed.

Tank Construction & Corrosion Protection (1)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
Tank Manufacturer: Model:								
A. Unprotected Steel (Single Wall)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Cathodically Protected Steel (Galvanic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Cathodically Protected Steel (Impressed Current)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Unprotected Steel (Double Wall)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Fiberglass (Single Wall)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. Fiberglass (Double Wall)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Steel w/Plastic or Fiberglass Jacket or Double Wall Act 100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
H. Steel With FRP Coating (Act 100 or Equivalent)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Steel with Lined Interior	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Concrete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
O. Cathodically Protected Double Wall Steel (Galvanic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P. Cathodically Protected Steel with Liner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q. Double Bottom (ASTs Only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R. Molded Plastic Form (ASTs Only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S. Stainless Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T. Aluminum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
U. Fire Protected Double Wall AST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
V. Steel with Plastic or Fiberglass Jacket or Double Wall Act 100 with Anodes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
W. Steel with FRP Coating (Act 100 or Equivalent) with Anodes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
X. Molded Plastic Form (Double Wall) (ASTs Only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Facility ID# 51-97890

Facility Name **Phila Ref Girard Point Proc. Area South Tank Field**

Underground Piping Construction & Corrosion Protection – Single/Inner Wall (28)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
Primary (Inner) Piping Manufacturer:							
Model:							
A. Bare Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Cathodically Protected Metallic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Fiberglass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Flexible (Non-Metallic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. No Dispensing Piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99. Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Underground Piping Construction & Corrosion Protection – Outer Wall (29)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
Secondary (Outer) Piping Manufacturer:							
Model:							
A. Bare Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Cathodically Protected Metallic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Fiberglass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Flexible (Non-Metallic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. No Dispensing Piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L. Poly-encased Stainless Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99. Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Facility ID# 51-97890 Facility Name Phila Ref Girard Point Proc. Area South Tank Field

Aboveground Piping Construction & Corrosion Protection (3)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
A. Carbon Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Cathodically Protected Metallic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Single Wall Fiberglass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Single Wall Flexible (Non-Metallic)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. PVC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I. Double Wall - Metallic Primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
J. Double Wall - Rigid (FRP) Primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
K. Double Wall - Flexible Primary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
L. Stainless Steel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99. Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Product Delivery System (4)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
A. Suction: Check valve at pump	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Suction: Check valve at tank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Gravity fed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Spill Prevention (6)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
S. Permanently installed and liquid tight (single-walled)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Permanently installed and liquid tight (double-walled)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N. None (AST only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Fill in less than 25 gallons (exempt)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Facility Name Phila Ref Girard Point Proc. Area South Tank Field

Overfill Prevention (7)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
A. Overfill alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. Fill in less than 25 gallons (exempt)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N. None (AST only)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S. Drop tube shutoff device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y. Yes (AST only) Type: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Emergency Containment (16) ASTs only	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
N. No - Explain: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y. Yes (includes double-walled tanks with required appurtenances)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
V. Underground vault	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Secondary Containment (17) Single Wall ASTs only	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
N. No - Explain: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y. Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
V. Underground vault	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Stage I Vapor Recovery (19) USTs and ASTs when applicable	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
A. Coaxial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. 2 Point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
N. None or incomplete	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Facility ID# 51-97890

Facility Name Phila Ref Girard Point Proc. Area South Tank Field

Tank-top Containment Sumps Present (Product Piping Only) (21) USTs only	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
N. None – Explain: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S. At some penetrations and liquid tight – Explain: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A. At all penetrations and liquid tight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Under-dispenser Containment Present (22) USTs only	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
N. None – Explain: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S. At some dispensers and liquid tight – Explain: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A. Under all dispensers and liquid tight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Line Leak Detector Shuts Off Pump (23) USTs only	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
N. No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y. Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Tank Supplies Emergency Generator (25)	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
N. No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Y. Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Facility ID# 51-97890

Facility Name Phila Ref Girard Point Proc. Area South Tank Field

VIII. ABOVEGROUND & UNDERGROUND TANK INFORMATION FOR PERMANENT CLOSURE

Write the Tank Number(s) and place an in the appropriate box for each tank that was removed or closed in place.

	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #	Tank #
<i>Items 2 & 3 below apply to large ASTs and all USTs</i>	001A	012A	013A	002A	003A	014A	004A	005A	009A	011A	006A	007A	008A
1. Contamination suspected or observed and notification of contamination form was submitted to the appropriate DEP regional office.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Closure document submitted to the appropriate DEP regional office.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Closure document kept on file by owner.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>


IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. This registration is conditioned upon compliance with provisions of the Storage Tank and Spill Prevention Act of 1989, all applicable regulations, and with the requirements for obtaining and maintaining a permit required under this Act. I certify my responsibility for assuring the following permit requirements:

- Storage tank systems are in compliance with applicable administrative, technical and operational requirements as specified in Subchapter E for underground tanks or Subchapter F or G for aboveground tanks.
- Tank handling and inspection activities are performed by an individual possessing DEP certification in the appropriate category as required in Subchapters A and B.
- Underground storage tanks meet the applicable financial responsibility requirements of Subchapter H (relating to financial responsibility requirements).
- A Spill Prevention Response (SPR) Plan must be submitted to the appropriate DEP regional office for facilities that have aboveground storage tanks where the total capacity of all aboveground tanks is greater than 21,000 gallons.
- Other state and local permits required for operation of the tank system have been attained.

My signature represents to the Department that I own the storage tank(s) and am aware of the responsibilities and potential liabilities as an "owner" arising under the Storage Tank and Spill Prevention Act of 1989 and all applicable regulations. I am also advised that statements made on this registration is made subject to the penalties of 18 PA. C.S.A. Section 4904 relating to unsworn falsification to authorities.

Type or Print Owner Name Anne Garr

	Assistant Secretary, PESRM LLC	3/2/2023
Owner Signature	Title	Date

Information & Invoices should be sent to:

- Tank Owner Contact
- Site Contact
- Facility Operator
- Other Responsible Party Identified Below

Organization Name or Registered Fictitious Name		Employer ID# (EIN)		Dun & Bradstreet ID#
Philadelphia Energy Solutions Refining and Marketing LLC		61-1689574		
Individual Last Name	First Name	MI	Suffix	SSN
Garr	Anne			
Additional Individual Last Name	First Name	MI	Suffix	SSN
Mailing Address Line 1		Mailing Address Line 2		
111 S Wacker Drive		Suite 3000		
Address Last Line – City		State	ZIP+4	Country
Chicago		IL	60606	US
Contact Title		Phone		Ext.
Assistant Secretary		Philadelphia Energy Solutions Refining and Marketing LLC		

E-mail Address
agarr@hilcoglobal.com

Client to Site (Facility) Relationship

X. INSTALLER / REMOVER CERTIFICATION

This section must be completed by the certified tank handler(s) who is responsible for the installation or removal from service of the aboveground and underground storage tank systems listed in Section VI. Tank modification activity must be submitted on a "Tank Modification Report" form.

SIGNATURE & CERTIFICATION OF INSTALLER(S) / REMOVER(S)

As the certified tank handler responsible for the tank handling activities in the category or categories listed, I certify that all tank handling activities were conducted in compliance with the design, installation and operation standards of the Storage Tank and Spill Prevention Act of 1989 and all applicable regulations. I also certify, under penalty of law as provided in 18 PA C.S.A. 4904 (relating to unsworn falsification to authorities), that the information provided therein is true, accurate and complete to the best of my knowledge and belief.

Tank#	Installer/Remover Name	Construction Standard	Individual Certification#	Certification Category	Company Certification#	Installer/Remover Signature	Date
001A	Brian Gerner	API650	5341	AFMX	1631		2/6/23
012A	Brian Gerner	API650	5341	AFMX	1631		2/6/23
013A	Brian Gerner	API650	5341	AFMX	1631		2/8/23
003A	Brian Gerner	API650	5341	AFMX	1631		2/7/23
014A	Brian Gerner	API12C	5341	AFMX	1631		2/7/23
004A	Brian Gerner	API650	5341	AFMX	1631		2/8/23
005A	Brian Gerner	API12C	5431	AFMX	1631		2/7/23
009A	Brian Gerner	API650	5431	AFMX	1631		2/9/23
010A	Brian Gerner	API650	5431	AFMX	1631		2/2/23
011A	Brian Gerner	API650	5431	AFMX	1631		2/21/23
006A	Brian Gerner	API12C	5431	AFMX	1631		2/21/33
007A	Brian Gerner	API12C	5431	AFMX	1631		2/16/23
008A	Brian Gerner	API12C	5431	AFMX	1631		2/17/23

XI. INSPECTOR CERTIFICATION

This section must be completed by the DEP Certified Tank Inspector(s) who is responsible for verifying the installation standards for field constructed tanks and aboveground tanks greater than 21,000 gallons listed in Section VI. (Type or Print legibly) A DEP Certified Inspector may also be responsible for inspecting existing ASTs which are entering regulated service for the first time with no tank handling activities.

SIGNATURE & CERTIFICATION OF INSPECTOR(S)

As the certified tank inspector responsible for verifying tank handling activities and construction standards, I certify that the tank(s) listed below are constructed to appropriate industry standards and, if applicable, to manufacturer's specifications; that the tank(s) have been tested as required by industry standards; and that the tank(s) meet or exceed applicable design and operating standards; and are in compliance with the requirements of the Storage Tank and Spill Prevention Act of 1989, and all applicable regulations. I also certify under penalty of law as provided in 18 PA C.S.A. 4904 (relating to unsworn falsification to authorities), that the information provided herein is true, accurate and complete to the best of my knowledge and belief.

Tank#	Inspector Name	Construction Standard	Individual Certification#	Certification Category	Company Certification#	Inspector Signature	Date

XII. SITE SPECIFIC INSTALLATION PERMIT NUMBER

If a site-specific permit was required for a new tank installation, write the tank number(s) and permit number(s) in the appropriate box.

Site-Specific Installation Permit	Tank#	Tank#	Tank#	Tank#	Tank#	Tank#	Tank#	Tank#	Tank#

Appendix G

Laboratory Reports





ANALYTICAL REPORT

Lab Number:	L2430771
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/11/24

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

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2430771-01	GPR217-01-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:00	06/04/24
L2430771-02	GPR217-02-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:25	06/04/24
L2430771-03	GPR217-03-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 11:45	06/04/24
L2430771-04	GPR217-04-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:15	06/04/24
L2430771-05	GPR217-05-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 12:45	06/04/24
L2430771-06	GPR217-06-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 11:15	06/04/24
L2430771-07	GPR217-07-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 10:10	06/04/24
L2430771-08	GPR217-08-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 11:00	06/04/24
L2430771-09	GPR217-09-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 10:40	06/04/24
L2430771-10	GPR217-10-SS01-2	SOIL	PHILADELPHIA, PA	06/03/24 10:25	06/04/24
L2430771-11	GPR1208-06-SS01	SOIL	PHILADELPHIA, PA	06/03/24 13:30	06/04/24
L2430771-12	GPR1208-02-SS01-P	SOIL	PHILADELPHIA, PA	06/03/24 13:45	06/04/24
L2430771-13	GPR1208-02-SS01-G	SOIL	PHILADELPHIA, PA	06/03/24 13:55	06/04/24
L2430771-14	GPR1208-01-SS01	SOIL	PHILADELPHIA, PA	06/03/24 14:15	06/04/24
L2430771-15	GPR1205-09-SS01	SOIL	PHILADELPHIA, PA	06/03/24 14:30	06/04/24
L2430771-16	GPR1208-07-SS01	SOIL	PHILADELPHIA, PA	06/03/24 14:40	06/04/24
L2430771-17	TB-060324	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/04/24
L2430771-18	FB-060324	WATER	PHILADELPHIA, PA	06/03/24 14:00	06/04/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

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: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2430771-17: The Client ID was specified by the client.

Volatile Organics

L2430771-02: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

The surrogate recoveries are outside the acceptance criteria for 4-bromofluorobenzene; however, the samples were not re-analyzed due to coelution with obvious interferences. Copies of the chromatograms are included as an attachment to this report:

L2430771-02: 163%

L2430771-03: 179%

L2430771-05: 189%

L2430771-06: 932%

L2430771-07: 144%

L2430771-08: 173%

L2430771-14: 260%

L2430771-04: The surrogate recoveries outside the acceptance criteria for 1,2-dichloroethane-d4 (251%) and 4-bromofluorobenzene (379%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2430771-04: The surrogate recovery is outside the method acceptance criteria for dibromofluoromethane (54%) due to interference with the Internal Standard.

L2430771-16: The surrogate recoveries are outside the acceptance criteria for toluene-d8 (145%) and 4-bromofluorobenzene (217%); however, the sample was not re-analyzed due to coelution with an obvious

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Case Narrative (continued)

interference. A copy of the chromatogram is included as an attachment to this report.

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

Authorized Signature:

 Cristin Walker

Title: Technical Director/Representative

Date: 06/11/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-01
 Client ID: GPR217-01-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:00
 Analyst: LAC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00029	J	mg/kg	0.00083	0.00028	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-02
 Client ID: GPR217-02-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:25
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 17:20
 Analyst: LAC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	0.046	J	mg/kg	0.072	0.024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	163	Q	70-130
Dibromofluoromethane	89		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-03
 Client ID: GPR217-03-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:45
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 12:52
 Analyst: JIC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00068	J	mg/kg	0.00078	0.00026	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	179	Q	70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-04
 Client ID: GPR217-04-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:15
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 13:19
 Analyst: JIC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.0037		mg/kg	0.00085	0.00028	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	251	Q	70-130
Toluene-d8	129		70-130
4-Bromofluorobenzene	379	Q	70-130
Dibromofluoromethane	54	Q	70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-05
 Client ID: GPR217-05-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:45
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 13:45
 Analyst: JIC
 Percent Solids: 63%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00032	J	mg/kg	0.00090	0.00030	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	189	Q	70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-06
 Client ID: GPR217-06-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:15
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 14:11
 Analyst: JIC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00036	J	mg/kg	0.00056	0.00019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	932	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-07
 Client ID: GPR217-07-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:10
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:26
 Analyst: LAC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	ND		mg/kg	0.00059	0.00020	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	144	Q	70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-08
 Client ID: GPR217-08-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:53
 Analyst: LAC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00046	J	mg/kg	0.00084	0.00028	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	173	Q	70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-09
 Client ID: GPR217-09-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:40
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 19:26
 Analyst: JIC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		mg/kg	0.00096	0.00032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-10
 Client ID: GPR217-10-SS01-2
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:25
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 19:52
 Analyst: JIC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	ND		mg/kg	0.00064	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-11
 Client ID: GPR1208-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:30
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 20:18
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.035		mg/kg	0.00071	0.00024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-12
 Client ID: GPR1208-02-SS01-P
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:45
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 20:44
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.012		mg/kg	0.00070	0.00023	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-13
 Client ID: GPR1208-02-SS01-G
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:55
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 21:10
 Analyst: JIC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.047		mg/kg	0.00090	0.00030	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-14
 Client ID: GPR1208-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:15
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 23:46
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.032		mg/kg	0.00066	0.00022	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	73		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	260	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-15
 Client ID: GPR1205-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:30
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 00:11
 Analyst: JIC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.084		mg/kg	0.00058	0.00019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	75		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-16
 Client ID: GPR1208-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:40
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 00:37
 Analyst: JIC
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.16		mg/kg	0.00080	0.00026	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	71		70-130
Toluene-d8	145	Q	70-130
4-Bromofluorobenzene	217	Q	70-130
Dibromofluoromethane	86		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-17
 Client ID: TB-060324
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:20
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-18
 Client ID: FB-060324
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:00
 Date Received: 06/04/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:45
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
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Benzene	ND		ug/l	0.50	0.16	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 17-18 Batch: WG1931053-5					
Benzene	ND		ug/l	0.50	0.16

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 10:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,07-08 Batch: WG1931171-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 10:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1931172-5					
Benzene	ND		mg/kg	0.025	0.0083

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 15:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09-16 Batch: WG1931215-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-06 Batch: WG1932636-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 17-18 Batch: WG1931053-3 WG1931053-4								
Benzene	98		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	98		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,07-08 Batch: WG1931171-3 WG1931171-4								
Benzene	90		92		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1931172-3 WG1931172-4								
Benzene	90		92		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		85		70-130
Dibromofluoromethane	100		98		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09-16 Batch: WG1931215-3 WG1931215-4								
Benzene	80		77		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	78		79		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-06 Batch: WG1932636-3 WG1932636-4								
Benzene	87		87		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		88		70-130
Dibromofluoromethane	97		97		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-01
Client ID: GPR217-01-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:00
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.8		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-02
Client ID: GPR217-02-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-03
Client ID: GPR217-03-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-04
Client ID: GPR217-04-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-05
Client ID: GPR217-05-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 12:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.8		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-06
Client ID: GPR217-06-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-07
Client ID: GPR217-07-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-08
Client ID: GPR217-08-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 11:00
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-09
Client ID: GPR217-09-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-10
Client ID: GPR217-10-SS01-2
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 10:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-11
Client ID: GPR1208-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.6		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-12
Client ID: GPR1208-02-SS01-P
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-13
Client ID: GPR1208-02-SS01-G
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 13:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.0		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-14
Client ID: GPR1208-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.9		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-15
Client ID: GPR1205-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430771-16
Client ID: GPR1208-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/03/24 14:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.2		%	0.100	NA	1	-	06/05/24 09:08	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2430771
Report Date: 06/11/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1929847-1 QC Sample: L2431008-02 Client ID: DUP Sample						
Solids, Total	80.6	80.8	%	0		20

Project Name: PESRM**Lab Number:** L2430771**Project Number:** 200.00135**Report Date:** 06/11/24**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(*)
L2430771-01A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-01X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-01Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-01Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-02A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-02X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-02Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-02Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-03A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-03X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-03Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-03Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-04A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-04B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM

Lab Number: L2430771

Project Number: 200.00135

Report Date: 06/11/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-04C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-04D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-04X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-04Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-04Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-05A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-05X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-05Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-05Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-06A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-06X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-06Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-06Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-07A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-07X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-07Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-07Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-08A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-08B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-08C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-08D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-08X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-08Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-08Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-09A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-09X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-09Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-09Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-10A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-10X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-10Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-10Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-11A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-11X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-11Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-11Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-12A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-12B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-12C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-12D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-12X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-12Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-12Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-13A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-13X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-13Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-13Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-14A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-14X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-14Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-14Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-15A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-15X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-15Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-15Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-16A	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-16B	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430771-16C	5 gram Encore Sampler	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-16D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430771-16X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		PA-8260HLW-BTEX(14)
L2430771-16Y	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-16Z	Vial Water preserved split	A	NA		2.5	Y	Absent	05-JUN-24 07:20	PA-8260HLW-BTEX(14)
L2430771-17A	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-SIM(14),PA-8260-BTEX(14),PA-8260(14)
L2430771-17B	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-SIM(14),PA-8260-BTEX(14),PA-8260(14)
L2430771-18A	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-BTEX(14),PA-8260-SIM(14),PA-8260(14)
L2430771-18B	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-BTEX(14),PA-8260-SIM(14),PA-8260(14)
L2430771-18C	Vial HCl preserved	A	NA		2.5	Y	Absent		PA-8260-BTEX(14),PA-8260-SIM(14),PA-8260(14)

*Values in parentheses indicate holding time in days



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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.

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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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.)

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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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



CHAIN OF CUSTODY

PAGE 1 OF 2

WESTBORO, MA
TEL: 508 890 0200
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508 822 0000
FAX: 508-822-3288

Client Information

Client: Ransom Consulting, LLC
Address: 2127 Hamilton Avenue
Hamilton, NJ 08619
Phone: 609-584-0070
Fax: 609-584-1190
Email: william.schmidt@ransomenv.com

Project Information

Project Name: PESRM
Project Location: Philadelphia, PA
Project #: 200-00135
Project Manager: Bill Schmidt
ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: _____ Time: _____

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 6/4/24

ALPHA Job #: L243077

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client Info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: PADEP Criteria:

ANALYSIS	SAMPLE HANDLING										TOTAL # BOTTLES	
	Filtration _____ <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below)											
Benzene												Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials								
		Date	Time										
<u>30771-01</u>	<u>GPR 217-01-SS01-2</u>	<u>6-3-24</u>	<u>12:00</u>	<u>S</u>	<u>TR</u>	<input checked="" type="checkbox"/>							
<u>-02</u>	<u>GPR 217-02-SS01-2</u>		<u>12:25</u>			<input checked="" type="checkbox"/>							
<u>-03</u>	<u>GPR 217-03-SS01-2</u>		<u>11:45</u>			<input checked="" type="checkbox"/>							
<u>-04</u>	<u>GPR 217-04-SS01-2</u>		<u>12:15</u>			<input checked="" type="checkbox"/>							
<u>-05</u>	<u>GPR 217-05-SS01-2</u>		<u>12:45</u>			<input checked="" type="checkbox"/>							
<u>-06</u>	<u>GPR 217-06-SS01-2</u>		<u>11:15</u>			<input checked="" type="checkbox"/>							
<u>-07</u>	<u>GPR 217-07-SS01-2</u>		<u>10:10</u>			<input checked="" type="checkbox"/>							
<u>-08</u>	<u>GPR 217-08-SS01-2</u>		<u>11:00</u>			<input checked="" type="checkbox"/>							
<u>-09</u>	<u>GPR 217-09-SS01-2</u>		<u>10:40</u>			<input checked="" type="checkbox"/>							
<u>-10</u>	<u>GPR 217-10-SS01-2</u>		<u>10:25</u>			<input checked="" type="checkbox"/>							

Container Type: E
Preservative: E

Relinquished By: Paul Macopella Date/Time: 6/4/24 14:10
Received By: Paul Macopella Date/Time: 6/4/24 10:25
Chris PKE 6/4/24 22:40
Celt 6/4/24 23:40

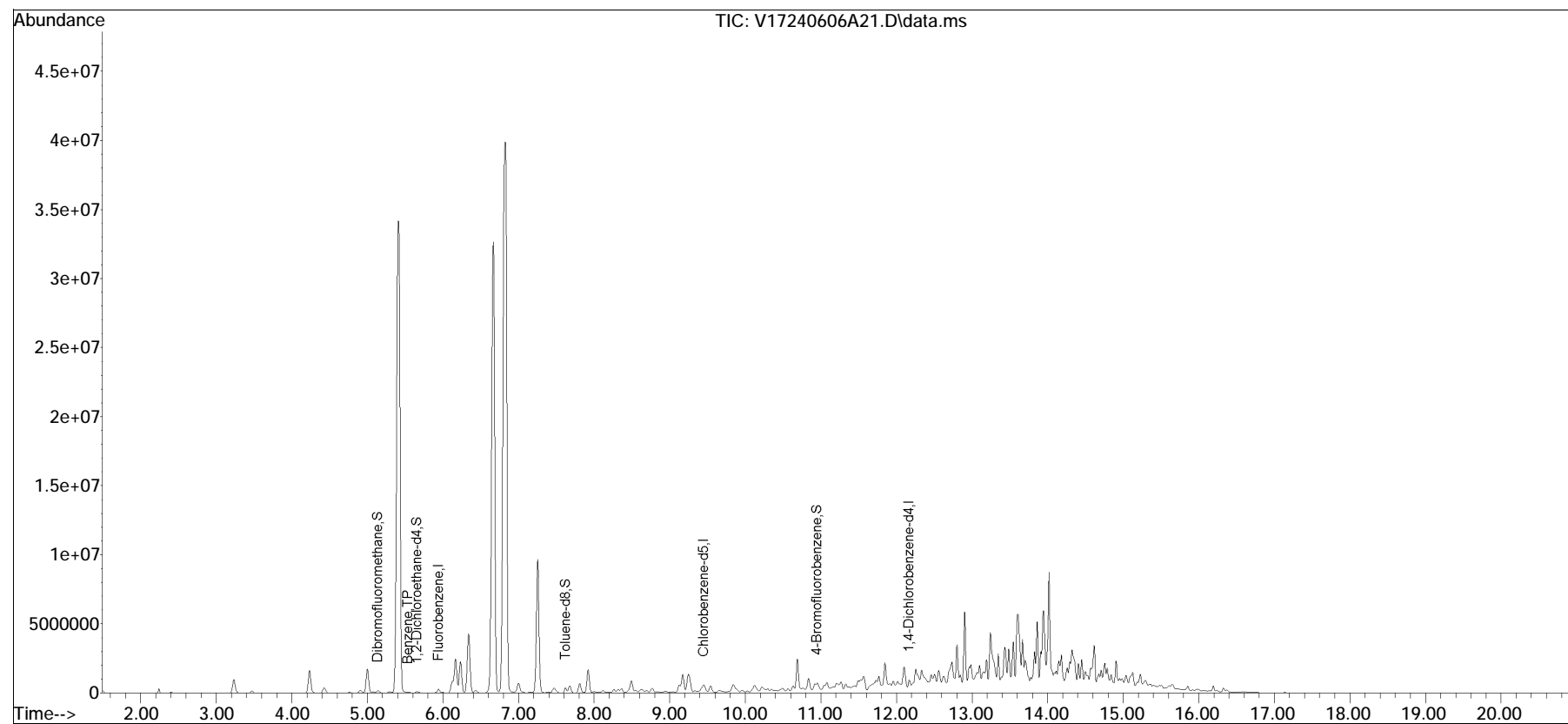
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240606A\
Data File : V17240606A21.D
Acq On : 06 Jun 2024 05:20 pm
Operator : VOA117:LAC
Sample : L2430771-02,31H,3.26,5,0.100,,X
Misc : WG1931172,ICAL20984
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 06 17:46:45 2024
Quant Method : K:\VOA117\2024\240606A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240606A01.D•

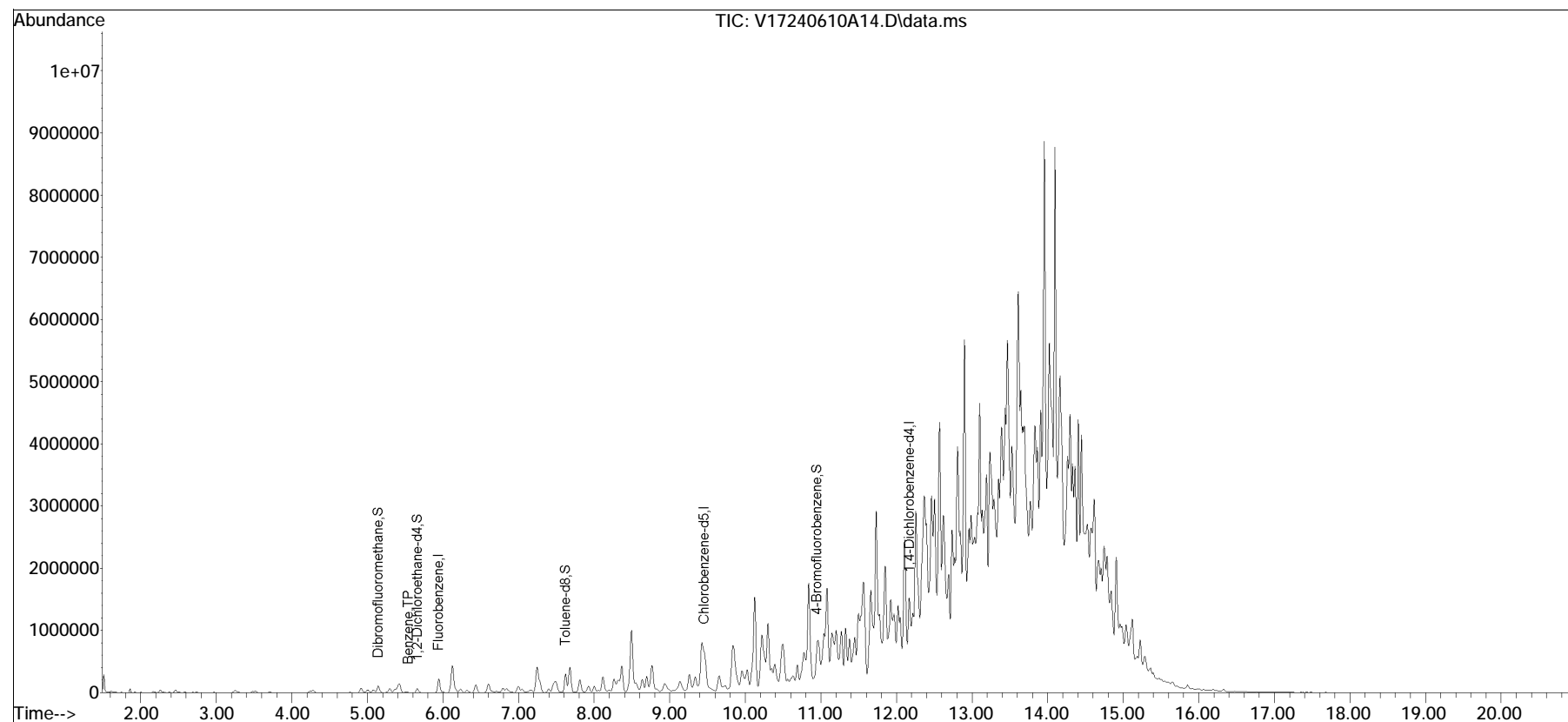


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A14.D
Acq On : 10 Jun 2024 12:52 pm
Operator : VOA117:JIC
Sample : L2430771-03,31,4.30,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 11 07:55:48 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

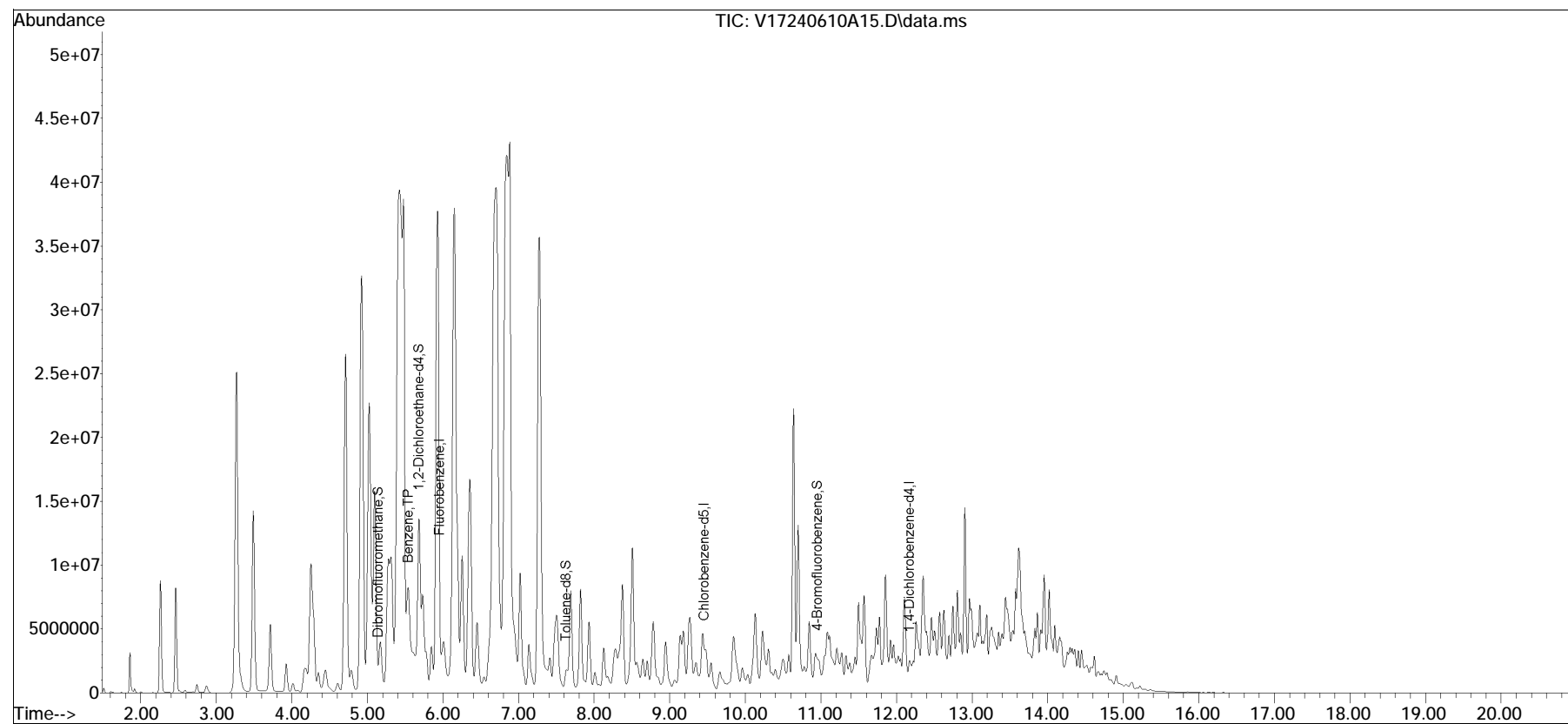


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A15.D
Acq On : 10 Jun 2024 01:19 pm
Operator : VOA117:JIC
Sample : L2430771-04,31,4.53,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 11 07:55:52 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

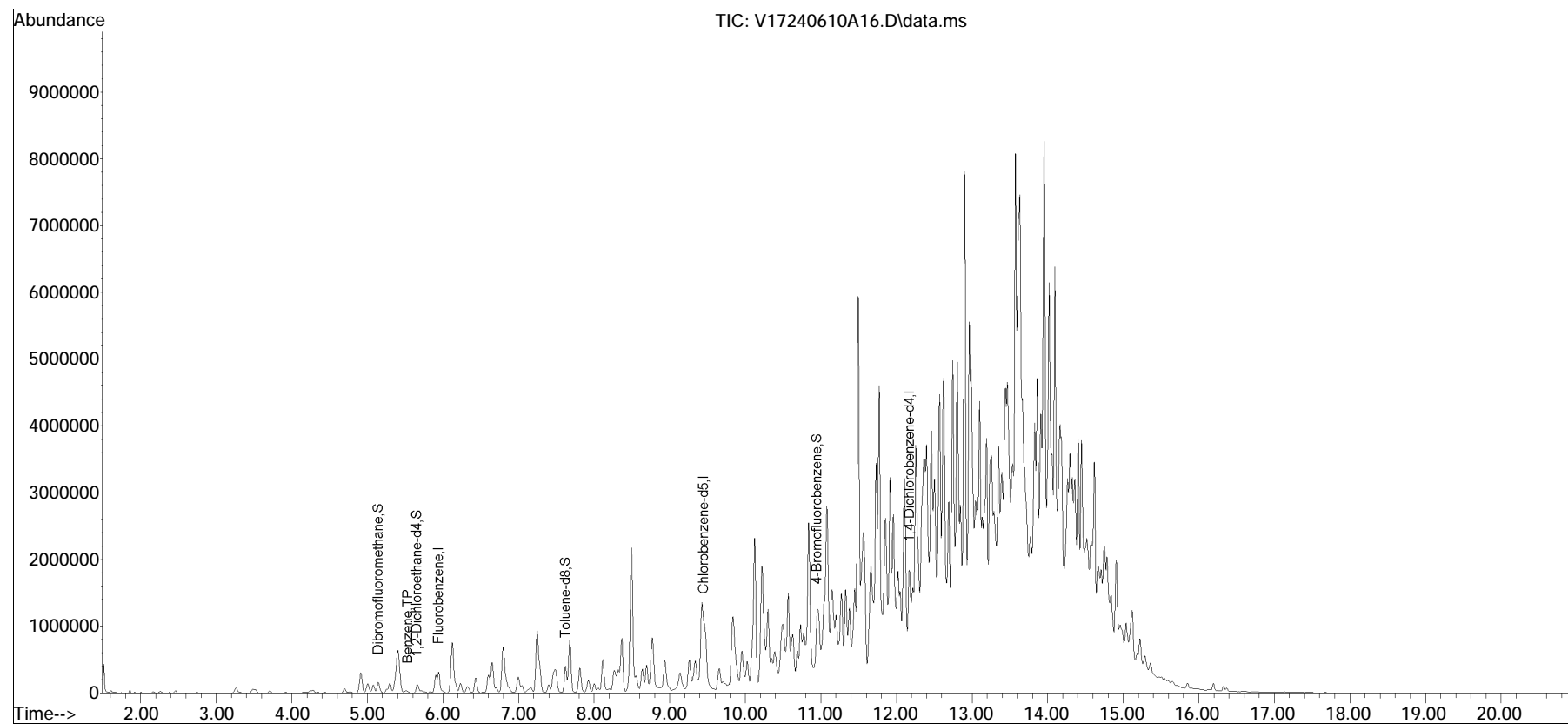


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A16.D
Acq On : 10 Jun 2024 01:45 pm
Operator : VOA117:JIC
Sample : L2430771-05,31,4.44,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 11 07:55:56 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

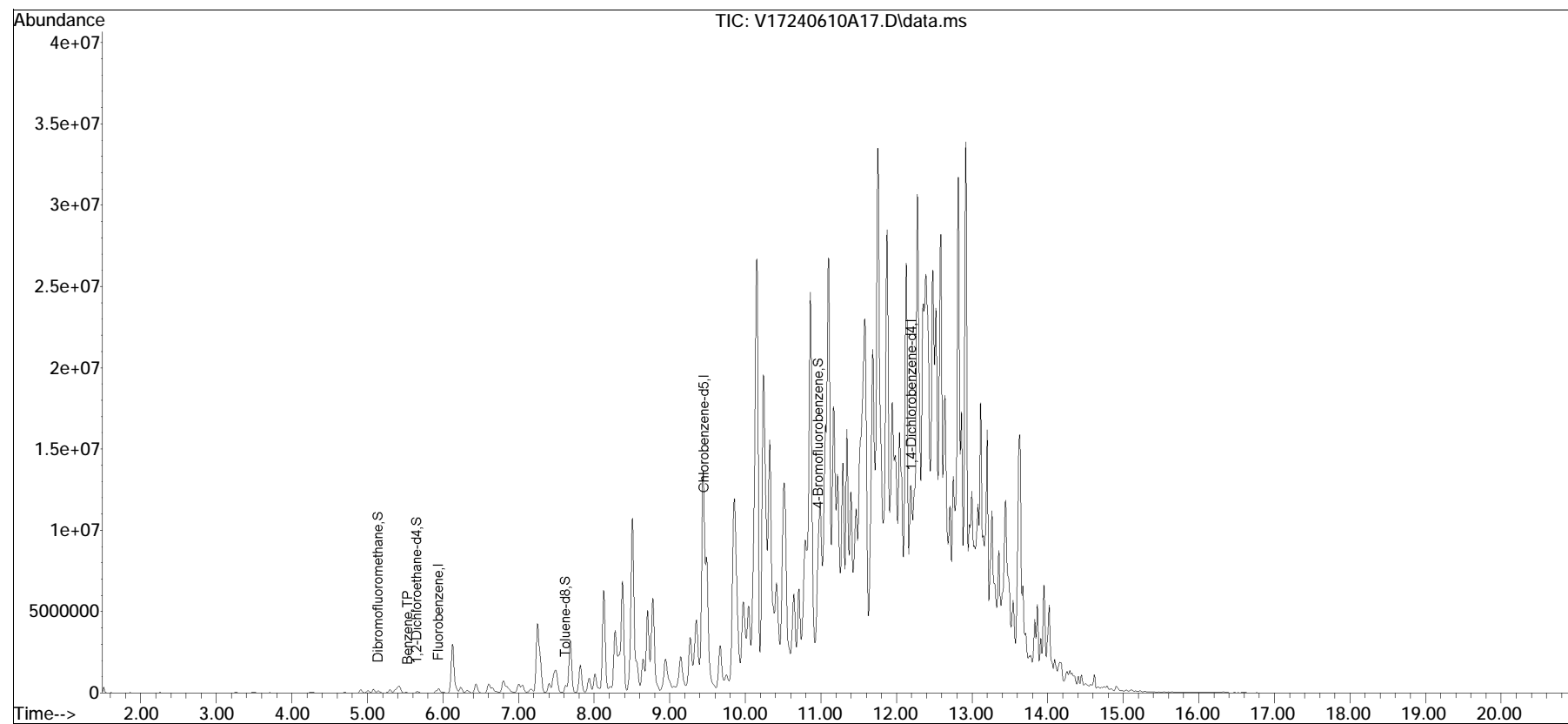


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240610A\
Data File : V17240610A17.D
Acq On : 10 Jun 2024 02:11 pm
Operator : VOA117:JIC
Sample : L2430771-06,31,5.28,5,,Y
Misc : WG1932636,ICAL20984
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 11 08:04:22 2024
Quant Method : K:\VOA117\2024\240610A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240610A01.D•

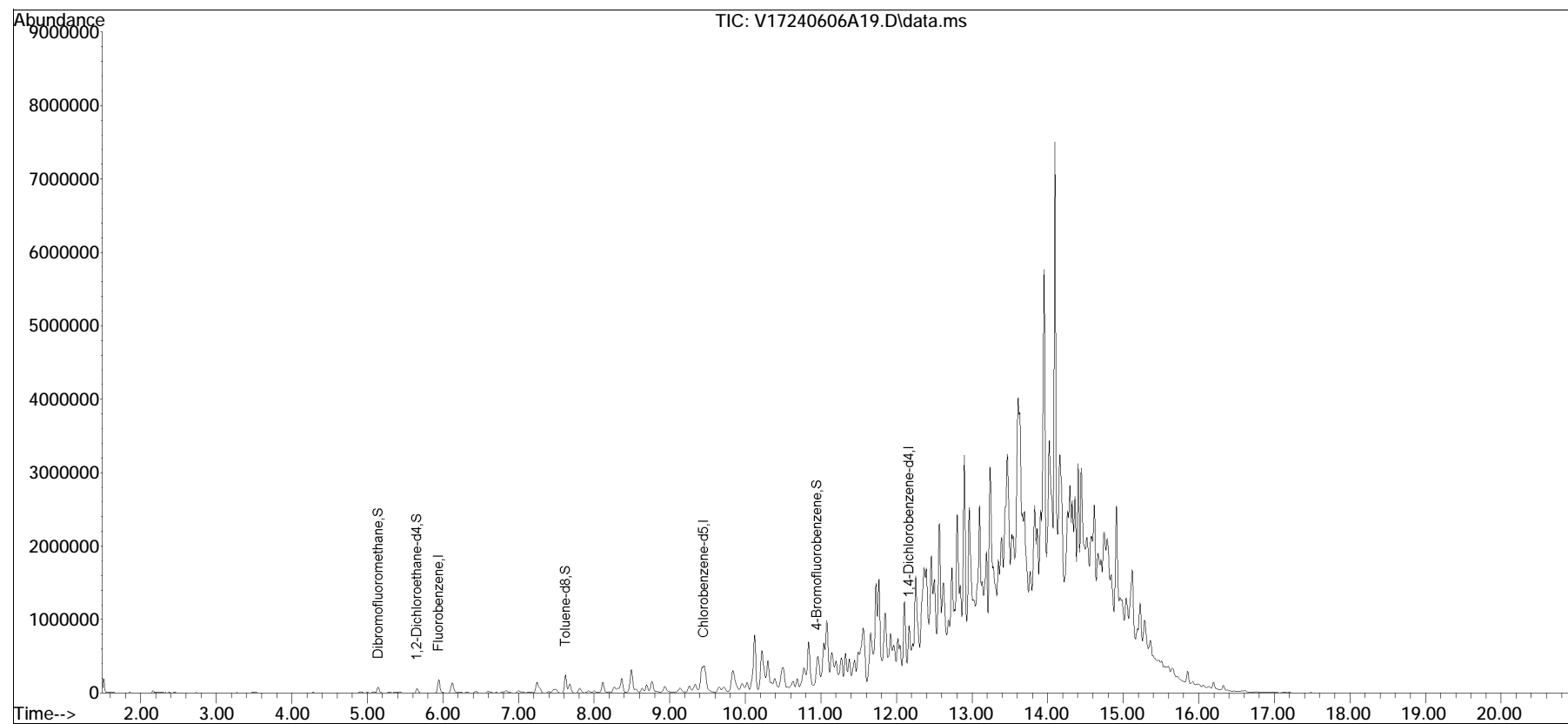


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240606A\
Data File : V17240606A19.D
Acq On : 06 Jun 2024 04:26 pm
Operator : VOA117:LAC
Sample : L2430771-07,31,5.10,5,,Y
Misc : WG1931171,ICAL20984
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 06 16:48:54 2024
Quant Method : K:\VOA117\2024\240606A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240606A01.D•

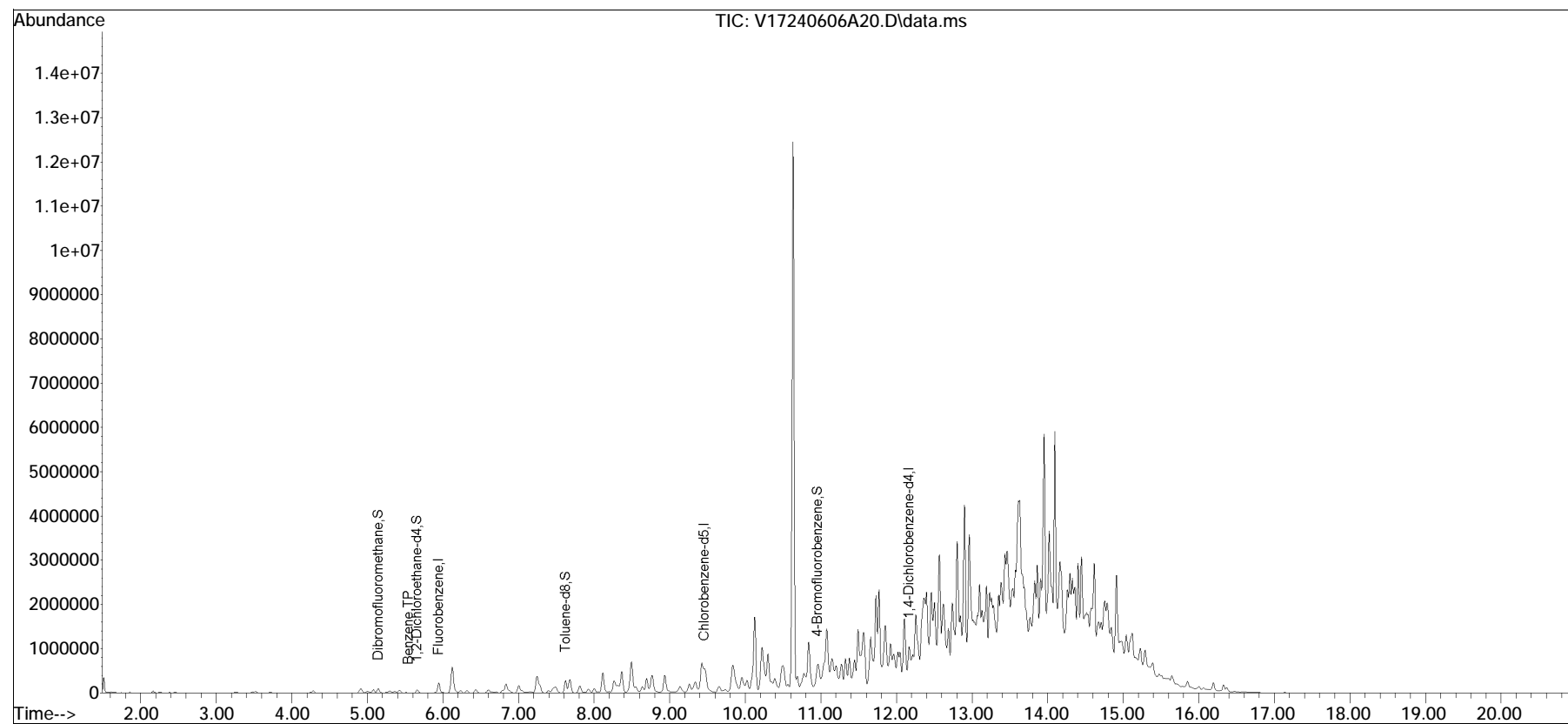


Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2024\240606A\
Data File : V17240606A20.D
Acq On : 06 Jun 2024 04:53 pm
Operator : VOA117:LAC
Sample : L2430771-08,31,3.63,5,,Y
Misc : WG1931171,ICAL20984
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 06 17:46:14 2024
Quant Method : K:\VOA117\2024\240606A\V117_240326N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed Mar 27 10:55:42 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV17240606A01.D•

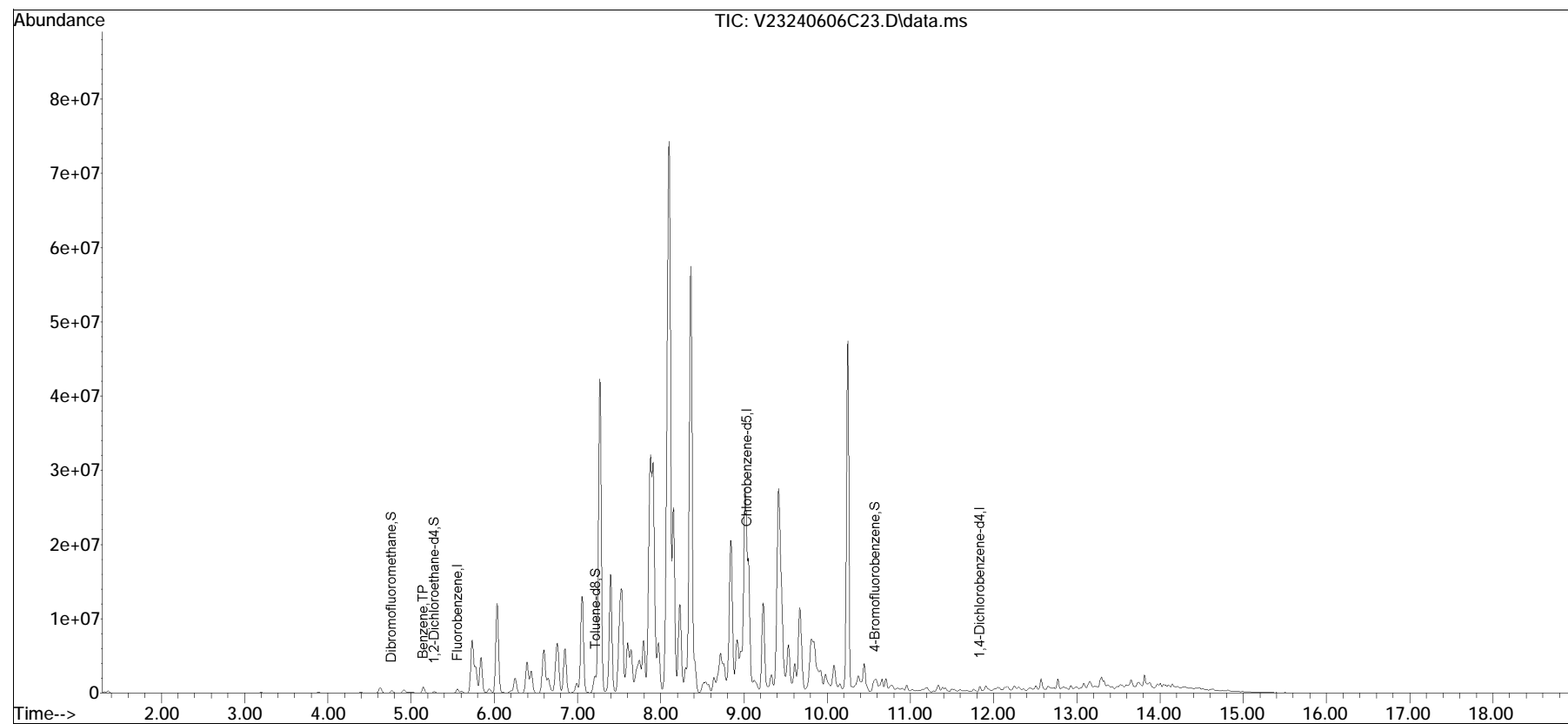


Quantitation Report (QT Reviewed)

Data Path : K:\VOA123\2024\240606C\
Data File : V23240606C23.D
Acq On : 06 Jun 2024 11:46 pm
Operator : VOA123:JIC
Sample : L2430771-14,31,4.97,5,,Z
Misc : WG1931215,ICAL21135
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 07 08:21:48 2024
Quant Method : K:\VOA123\2024\240606C\V123_240515N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 16 08:54:55 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV23240606C01.D•

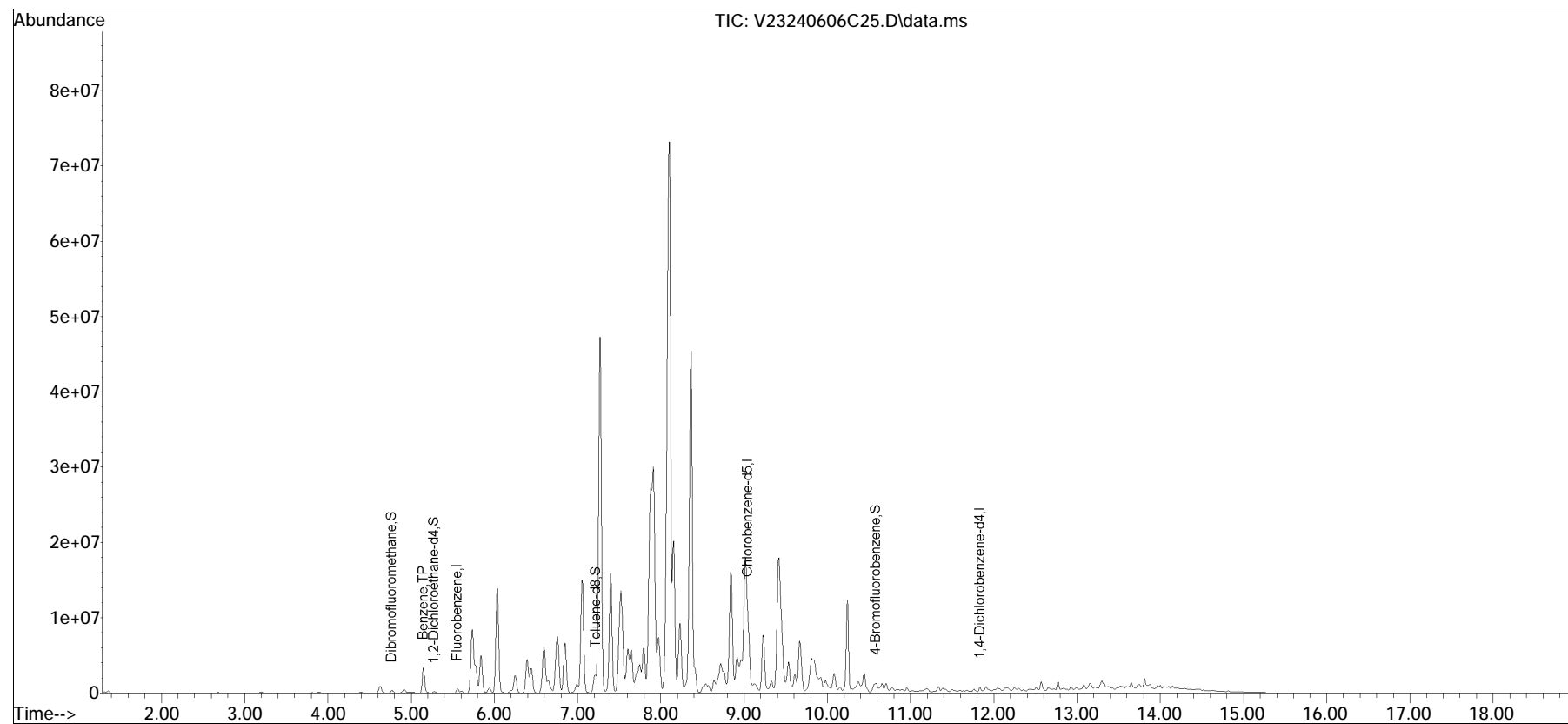


Quantitation Report (QT Reviewed)

Data Path : K:\VOA123\2024\240606C\
Data File : V23240606C25.D
Acq On : 07 Jun 2024 12:37 am
Operator : VOA123:JIC
Sample : L2430771-16,31,4.35,5,,Z
Misc : WG1931215,ICAL21135
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 08:21:59 2024
Quant Method : K:\VOA123\2024\240606C\V123_240515N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu May 16 08:54:55 2024
Response via : Initial Calibration

Sub List : 8260-Benzene - benzene onlyV23240606C01.D•





ANALYTICAL REPORT

Lab Number:	L2431121
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/12/24

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431121-01	GPR1205-01-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:40	06/05/24
L2431121-02	GPR1205-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:30	06/05/24
L2431121-03	GPR1205-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:00	06/05/24
L2431121-04	GPR1205-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:20	06/05/24
L2431121-05	GPR1205-06-SS01	SOIL	PHILADELPHIA, PA	06/04/24 11:50	06/05/24
L2431121-06	GPR1205-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 12:10	06/05/24
L2431121-07	GPR1205-08-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:35	06/05/24
L2431121-08	GPR1208-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:30	06/05/24
L2431121-09	GPR1208-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:40	06/05/24
L2431121-10	GPR1208-05-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:45	06/05/24
L2431121-11	GPR1209-01-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:30	06/05/24
L2431121-12	GPR1209-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:00	06/05/24
L2431121-13	GPR1209-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 07:50	06/05/24
L2431121-14	GPR1209-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 07:40	06/05/24
L2431121-15	GPR1209-06-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:40	06/05/24
L2431121-16	GPR1209-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 07:35	06/05/24
L2431121-17	GPR1209-10-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:10	06/05/24
L2431121-18	GPR1211-05-SS01	SOIL	PHILADELPHIA, PA	06/04/24 14:20	06/05/24
L2431121-19	GPR1213-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 14:10	06/05/24
L2431121-20	GPR1213-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 14:30	06/05/24
L2431121-21	GPR1213-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 13:45	06/05/24
L2431121-22	GPR1213-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 13:55	06/05/24
L2431121-23	GPR1214-01-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:55	06/05/24
L2431121-24	GPR1214-02-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:00	06/05/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431121-25	GPR1214-03-SS01	SOIL	PHILADELPHIA, PA	06/04/24 11:40	06/05/24
L2431121-26	GPR1214-04-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:20	06/05/24
L2431121-27	GPR1214-05-SS01	SOIL	PHILADELPHIA, PA	06/04/24 10:10	06/05/24
L2431121-28	GPR1214-06-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:30	06/05/24
L2431121-29	GPR1214-07-SS01	SOIL	PHILADELPHIA, PA	06/04/24 09:35	06/05/24
L2431121-30	GPR1214-08-SS01	SOIL	PHILADELPHIA, PA	06/04/24 08:45	06/05/24
L2431121-31	TB-060424	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/05/24
L2431121-32	FB-060424	WATER	PHILADELPHIA, PA	06/04/24 13:00	06/05/24
L2431121-33	DUP-57	SOIL	PHILADELPHIA, PA	06/04/24 09:40	06/05/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Case Narrative (continued)

Report Submission

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


Sample Receipt

The analyses performed were specified by the client.

L2431121-31: The Client ID was specified by the client.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/12/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-01 D
 Client ID: GPR1205-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 10:40
 Analyst: JIC
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	170		mg/kg	0.67	0.22	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-02
 Client ID: GPR1205-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:24
 Analyst: LAC
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00032	J	mg/kg	0.00075	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-03
 Client ID: GPR1205-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 11:06
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	5.3		mg/kg	0.058	0.019	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-04
 Client ID: GPR1205-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:20
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 16:50
 Analyst: LAC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00045	J	mg/kg	0.00073	0.00024	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-05
 Client ID: GPR1205-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:50
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 17:16
 Analyst: LAC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.014		mg/kg	0.00080	0.00027	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-06
 Client ID: GPR1205-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 17:42
 Analyst: LAC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0027		mg/kg	0.00077	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-07
 Client ID: GPR1205-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:35
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 18:08
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.0030		mg/kg	0.00087	0.00029	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-08
 Client ID: GPR1208-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 18:34
 Analyst: JIC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00070		mg/kg	0.00063	0.00021	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-09
 Client ID: GPR1208-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/06/24 19:00
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.015		mg/kg	0.00064	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-10
 Client ID: GPR1208-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:45
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 11:33
 Analyst: JIC
 Percent Solids: 47%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	2.7		mg/kg	0.095	0.032	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-11
 Client ID: GPR1209-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 08:54
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0018		mg/kg	0.00077	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	113		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-12
 Client ID: GPR1209-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 09:20
 Analyst: JIC
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	ND		mg/kg	0.00055	0.00018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-13
 Client ID: GPR1209-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:50
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 09:46
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00092		mg/kg	0.00078	0.00026	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-14
 Client ID: GPR1209-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 10:13
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.013		mg/kg	0.00098	0.00033	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-15
 Client ID: GPR1209-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 10:39
 Analyst: JIC
 Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.020		mg/kg	0.00092	0.00030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-16
 Client ID: GPR1209-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:35
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 14:49
 Analyst: JIC
 Percent Solids: 64%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	3.6		mg/kg	0.062	0.021	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-17 D
 Client ID: GPR1209-10-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 16:08
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	420		mg/kg	4.4	1.4	100
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-18 D
 Client ID: GPR1211-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:20
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 16:35
 Analyst: JIC
 Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	30000		mg/kg	210	23.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-19 D
 Client ID: GPR1213-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 17:02
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	22000		mg/kg	200	22.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-20
 Client ID: GPR1213-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 15:42
 Analyst: JIC
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1.0		mg/kg	0.11	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-21 D
 Client ID: GPR1213-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:45
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 17:28
 Analyst: JIC
 Percent Solids: 59%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	16000		mg/kg	310	34.	2000
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-22 D
 Client ID: GPR1213-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:55
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 22:50
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	21000		mg/kg	160	18.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-23
 Client ID: GPR1214-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:55
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 11:06
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00031	J	mg/kg	0.00067	0.00022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-24
 Client ID: GPR1214-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 11:32
 Analyst: JIC
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.085		mg/kg	0.00076	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-25
 Client ID: GPR1214-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 11:58
 Analyst: JIC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.036		mg/kg	0.00092	0.00030	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-26
 Client ID: GPR1214-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:20
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 12:25
 Analyst: JIC
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00030	J	mg/kg	0.00064	0.00021	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-27
 Client ID: GPR1214-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:10
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 12:52
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.038		mg/kg	0.00088	0.00029	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-28
 Client ID: GPR1214-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:30
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 13:18
 Analyst: JIC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0078		mg/kg	0.00085	0.00028	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-29
 Client ID: GPR1214-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:35
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 13:56
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.00055	J	mg/kg	0.00067	0.00022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-30
 Client ID: GPR1214-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:45
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 15:15
 Analyst: JIC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	1.7		mg/kg	0.035	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	94		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-31
 Client ID: TB-060424
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 12:41
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-32
 Client ID: FB-060424
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:00
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 13:06
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-33
 Client ID: DUP-57
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:40
 Date Received: 06/05/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/07/24 14:22
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Benzene	0.00044	J	mg/kg	0.00063	0.00021	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 15:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04-09 Batch: WG1931215-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/07/24 08:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 11-15,23-29,33 Batch: WG1932036-5					
Benzene	ND		mg/kg	0.00050	0.00017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 08:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16-21,30 Batch: WG1932037-5					
Benzene	ND		mg/kg	0.025	0.0083
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 31-32 Batch: WG1932442-5					
Benzene	ND		ug/l	0.50	0.16
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03,10 Batch: WG1932633-5					
Benzene	ND		mg/kg	0.025	0.0083

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 14:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1933253-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04-09 Batch: WG1931215-3 WG1931215-4								
Benzene	80		77		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	78		79		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 11-15,23-29,33 Batch: WG1932036-3 WG1932036-4								
Benzene	88		84		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		85		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	90		91		70-130
Dibromofluoromethane	97		100		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16-21,30 Batch: WG1932037-3 WG1932037-4								
Benzene	88		84		70-130	5		30
Isopropylbenzene	96		90		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		85		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	90		91		70-130
Dibromofluoromethane	97		100		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 31-32 Batch: WG1932442-3 WG1932442-4								
Benzene	110		100		70-130	10		20
Isopropylbenzene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03,10 Batch: WG1932633-3 WG1932633-4								
Benzene	87		87		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		89		70-130
Dibromofluoromethane	97		97		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1933253-3 WG1933253-4								
Isopropylbenzene	86		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	97		98		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-01
Client ID: GPR1205-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	62.2		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-02
Client ID: GPR1205-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-03
Client ID: GPR1205-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-04
Client ID: GPR1205-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:20
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-05
Client ID: GPR1205-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.8		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-06
Client ID: GPR1205-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 12:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.4		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-07
Client ID: GPR1205-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-08
Client ID: GPR1208-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-09
Client ID: GPR1208-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-10
Client ID: GPR1208-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:45
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	47.0		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-11
Client ID: GPR1209-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-12
Client ID: GPR1209-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-13
Client ID: GPR1209-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-14
Client ID: GPR1209-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.7		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-15
Client ID: GPR1209-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.1		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-16
Client ID: GPR1209-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 07:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	63.8		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-17
Client ID: GPR1209-10-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-18
Client ID: GPR1211-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:20
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.6		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-19
Client ID: GPR1213-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-20
Client ID: GPR1213-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 14:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.5		%	0.100	NA	1	-	06/06/24 10:20	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-21
Client ID: GPR1213-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:45
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	58.6		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-22
Client ID: GPR1213-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 13:55
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-23
Client ID: GPR1214-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:55
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-24
Client ID: GPR1214-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.9		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-25
Client ID: GPR1214-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 11:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.8		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-26
Client ID: GPR1214-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:20
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-27
Client ID: GPR1214-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 10:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.1		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-28
Client ID: GPR1214-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.8		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-29
Client ID: GPR1214-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-30
Client ID: GPR1214-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 08:45
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

SAMPLE RESULTS

Lab ID: L2431121-33
Client ID: DUP-57
Sample Location: PHILADELPHIA, PA

Date Collected: 06/04/24 09:40
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	06/06/24 10:54	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1930486-1 QC Sample: L2431121-01 Client ID: GPR1205-01-SS01						
Solids, Total	62.2	56.9	%	9		20
General Chemistry - Westborough Lab Associated sample(s): 21-30,33 QC Batch ID: WG1930488-1 QC Sample: L2431121-21 Client ID: GPR1213-04-SS01						
Solids, Total	58.6	63.5	%	8		20

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**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(*)
L2431121-01A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-01X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-01Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-01Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-02A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-02X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-02Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-02Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-03A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-03X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-03Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-03Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-04A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-04B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-04C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-04D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-04X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-04Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-04Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-05A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-05X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-05Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-05Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-06A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-06X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-06Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-06Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-07A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-07X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-07Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-07Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-08A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-08B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-08C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-08D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-08X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-08Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-08Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-09A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-09X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-09Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-09Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-10A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-10X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-10Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-10Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:26	PA-8260HLW-BTEX(14)
L2431121-11A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-11X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-11Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-11Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-12A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-12B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-12C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-12D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-12X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-12Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-12Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-13A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-13X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-13Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-13Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW-BTEX(14)
L2431121-14A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-14X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-14Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-14Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-15A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-15X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-15Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-15Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-16A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-16B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-16C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-16D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-16X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-16Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-16Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-17A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-17X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-17Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-17Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:24	PA-8260HLW-BTEX(14)
L2431121-18A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-18X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-18Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW(14)
L2431121-18Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 07:45	PA-8260HLW(14)
L2431121-19A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-19X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-19Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-19Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-20A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-20B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-20C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-20D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-20X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-20Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-20Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-21A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-21X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-21Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-21Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-22A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-22X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW(14)
L2431121-22Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-22Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW(14)
L2431121-23A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-23X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-23Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-23Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-24A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-24B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-24C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-24D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-24X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-24Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-24Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-25A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-25X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-25Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-25Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-26A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-26X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-26Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-26Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-27A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-27X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-27Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-27Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-28A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-28B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)

Project Name: PESRM**Lab Number:** L2431121**Project Number:** 200.00135**Report Date:** 06/12/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-28C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-28D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-28X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-28Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-28Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-29A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-29X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-29Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-29Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-30A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L2431121-30X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-30Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-30Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-31A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-31B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-32A	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-32B	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-32C	Vial HCl preserved	A	NA		3.3	Y	Absent		PA-8260(14)
L2431121-33A	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33B	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33C	5 gram Encore Sampler	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)

Project Name: PESRM
Project Number: 200.00135

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431121-33X	Vial MeOH preserved split	A	NA		3.3	Y	Absent		PA-8260HLW-BTEX(14)
L2431121-33Y	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)
L2431121-33Z	Vial Water preserved split	A	NA		3.3	Y	Absent	06-JUN-24 08:27	PA-8260HLW-BTEX(14)

*Values in parentheses indicate holding time in days



Project Name: PESRM
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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: PESRM
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431121
Report Date: 06/12/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



CHAIN OF CUSTODY

PAGE 4 OF 4

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-8193

MANFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information
 Client: Ransom Consulting, LLC
 Address: 2127 Hamilton Ave, Hamilton, NJ 08611
 Phone: 609.584.0090
 Fax: 609.584.0090
 Email: william.schmidt@ransomenv.com
 These samples have been previously analyzed by Alpha

Project Information

Project Name: PESRM
 Project Location: Philadelphia, PA
 Project #: 200.00135
 Project Manager: Bill Schmidt
 ALPHA Quote #:

Turn-Around Time

Standard RUSH (only confirmed if pre-arranged)
 Date Due: _____ Time: _____

Date Rec'd in Lab: 6/6/24 ALPHA Job #: L2431121

Report Information - Data Deliverables
 FAX EMAIL
 ADEx Add'l Deliverables

Billing Information
 Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: PADEP Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS	Benzene	TOTAL # BOTTLES
	<p>SAMPLE HANDLING</p> Filtration _____ <input type="checkbox"/> Done <input type="checkbox"/> Not needed <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please specify below) Sample Specific Comments	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	
		Date	Time			
31121-31	Trip Blank	5/31/24		TB	/	✓
32	FB-060424	6/4/24	13:00	FB	DP	✓
33	DUP-57	6/4/24	9:40	S	DP	✓

Container Type _____
 Preservative _____

Relinquished By: <u>Anthony Green</u>	Date/Time: <u>6/5/24 1045</u>	Received By: <u>Anthony Green</u>	Date/Time: <u>6/6/24 0135</u>
<u>6/5/24 1430</u>	<u>6/6/24 0135</u>	<u>6/6/24 0145</u>	<u>6/6/24 0345</u>

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



ANALYTICAL REPORT

Lab Number:	L2431516
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/13/24

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

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431516-01	GPR1211-01-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:30	06/06/24
L2431516-02	GPR1211-02-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:55	06/06/24
L2431516-03	GPR1211-03-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:10	06/06/24
L2431516-04	GPR1211-04-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:10	06/06/24
L2431516-05	GPR1211-07-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:30	06/06/24
L2431516-06	GPR1211-08-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:20	06/06/24
L2431516-07	GPR1211-09-SS01	SOIL	PHILADELPHIA, PA	06/05/24 08:00	06/06/24
L2431516-08	GPR1212-01-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:30	06/06/24
L2431516-09	GPR1212-03-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:20	06/06/24
L2431516-10	GPR1212-04-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:40	06/06/24
L2431516-11	GPR1212-05-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:40	06/06/24
L2431516-12	GPR1212-06-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:55	06/06/24
L2431516-13	GPR1212-07-SS01	SOIL	PHILADELPHIA, PA	06/05/24 13:50	06/06/24
L2431516-14	GPR1212-08-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:30	06/06/24
L2431516-15	GPR1212-09-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:20	06/06/24
L2431516-16	GPR1212-10-SS01	SOIL	PHILADELPHIA, PA	06/05/24 11:05	06/06/24
L2431516-17	GPR1213-01-SS01	SOIL	PHILADELPHIA, PA	06/05/24 07:50	06/06/24
L2431516-18	GPR1213-05-SS01	SOIL	PHILADELPHIA, PA	06/05/24 07:40	06/06/24
L2431516-19	GPR1213-06-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:25	06/06/24
L2431516-20	GPR1218-07-SS01	SOIL	PHILADELPHIA, PA	06/05/24 09:45	06/06/24
L2431516-21	DUP-58	SOIL	PHILADELPHIA, PA	06/05/24 11:10	06/06/24
L2431516-22	FB-060524	WATER	PHILADELPHIA, PA	06/05/24 12:30	06/06/24
L2431516-23	TB-060524	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/06/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2431516-17: The collection date and time on the chain of custody was 05-JUN-24 07:50; however, the collection date/time on the container label was 05-JUN-24 07:45. At the client's request, the collection date/time is reported as 05-JUN-24 07:50.

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:  Kelly O'Neill

Title: Technical Director/Representative

Date: 06/13/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-01 D
 Client ID: GPR1211-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 20:36
 Analyst: JIC
 Percent Solids: 57%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
-----------	--------	-----------	-------	----	-----	-----------------

Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	27000		mg/kg	320	35.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-02 D
 Client ID: GPR1211-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:55
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 17:02
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	40.		mg/kg	0.22	0.024	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-03
 Client ID: GPR1211-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 17:29
 Analyst: JIC
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	0.15		mg/kg	0.13	0.014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-04 D
 Client ID: GPR1211-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 21:03
 Analyst: JIC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	23000		mg/kg	240	26.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-05
 Client ID: GPR1211-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 17:42
 Analyst: JIC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	8.0		mg/kg	0.11	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-06
 Client ID: GPR1211-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:20
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 18:08
 Analyst: JIC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	7.4		mg/kg	0.096	0.010	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-07 D
 Client ID: GPR1211-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:00
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 21:29
 Analyst: JIC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	30000		mg/kg	410	45.	4000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-08
 Client ID: GPR1212-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 17:56
 Analyst: JIC
 Percent Solids: 52%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	6.6		mg/kg	0.17	0.018	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-09 D
 Client ID: GPR1212-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:20
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 21:56
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	6000		mg/kg	80	8.7	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-10 D
 Client ID: GPR1212-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:40
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 22:23
 Analyst: JIC
 Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	55000		mg/kg	250	28.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-11
 Client ID: GPR1212-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:40
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 11:38
 Analyst: JIC
 Percent Solids: 63%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	0.16		mg/kg	0.12	0.013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-12
 Client ID: GPR1212-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:55
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 18:49
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	3.2		mg/kg	0.10	0.011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-13 D
 Client ID: GPR1212-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:50
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 19:16
 Analyst: JIC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1500		mg/kg	10	1.1	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-14
 Client ID: GPR1212-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 19:43
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	12.		mg/kg	0.10	0.011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-15 D
 Client ID: GPR1212-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:20
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 20:09
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	510		mg/kg	7.1	0.77	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-16
 Client ID: GPR1212-10-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:05
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 11:12
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00014	J	mg/kg	0.0010	0.00011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	116		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-17
 Client ID: GPR1213-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:50
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 17:28
 Analyst: JIC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0042		mg/kg	0.0014	0.00015	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-18
 Client ID: GPR1213-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:40
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 10:45
 Analyst: JIC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00058	J	mg/kg	0.0015	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	117		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-19
 Client ID: GPR1213-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:25
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:42
 Analyst: JIC
 Percent Solids: 64%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	9.6		mg/kg	0.11	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-20
 Client ID: GPR1218-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:45
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:16
 Analyst: JIC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	0.12		mg/kg	0.088	0.0096	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-21
 Client ID: DUP-58
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 14:50
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0028		mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-22
 Client ID: FB-060524
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 12:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 11:18
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-23
 Client ID: TB-060524
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/10/24 16:04
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 23 Batch: WG1932442-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05-06 Batch: WG1932633-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 10:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22 Batch: WG1933118-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 14:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21 Batch: WG1933252-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 14:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-04,07-10,12-15,19-20 Batch: WG1933253-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/12/24 14:01
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 17 Batch: WG1933909-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 16,18 Batch: WG1933921-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1933922-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 23 Batch: WG1932442-3 WG1932442-4								
Isopropylbenzene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-06 Batch: WG1932633-3 WG1932633-4								
Isopropylbenzene	92		92		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	87		89		70-130
Dibromofluoromethane	97		97		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22 Batch: WG1933118-3 WG1933118-4								
Isopropylbenzene	100		92		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	107		108		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21 Batch: WG1933252-3 WG1933252-4								
Isopropylbenzene	86		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	97		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-04,07-10,12-15,19-20 Batch: WG1933253-3 WG1933253-4								
Isopropylbenzene	86		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	92		92		70-130
Dibromofluoromethane	97		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 17 Batch: WG1933909-3 WG1933909-4								
Isopropylbenzene	81		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	99		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 16,18 Batch: WG1933921-3 WG1933921-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		88		70-130
Dibromofluoromethane	100		101		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1933922-3 WG1933922-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		89		70-130
Dibromofluoromethane	100		101		70-130

INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-01
Client ID: GPR1211-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:30
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57.0		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-02
Client ID: GPR1211-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:55
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-03
Client ID: GPR1211-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:10
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	61.8		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-04
 Client ID: GPR1211-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:10
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.5		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-05
 Client ID: GPR1211-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:30
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-06
Client ID: GPR1211-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:20
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-07
Client ID: GPR1211-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 08:00
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.7		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-08
Client ID: GPR1212-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:30
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	52.1		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-09
Client ID: GPR1212-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:20
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-10
Client ID: GPR1212-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:40
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.0		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-11
Client ID: GPR1212-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:40
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	63.4		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-12
Client ID: GPR1212-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:55
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.8		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-13
Client ID: GPR1212-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 13:50
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.4		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-14
Client ID: GPR1212-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:30
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.8		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-15
Client ID: GPR1212-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:20
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.3		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-16
 Client ID: GPR1212-10-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:05
 Date Received: 06/06/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	06/07/24 12:18	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-17
Client ID: GPR1213-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:50
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-18
Client ID: GPR1213-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 07:40
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.7		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-19
Client ID: GPR1213-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:25
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	64.4		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-20
Client ID: GPR1218-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 09:45
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

SAMPLE RESULTS

Lab ID: L2431516-21
Client ID: DUP-58
Sample Location: PHILADELPHIA, PA

Date Collected: 06/05/24 11:10
Date Received: 06/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	06/07/24 12:35	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1931052-1 QC Sample: L2431516-01 Client ID: GPR1211-01-SS01						
Solids, Total	57.0	57.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 17-21 QC Batch ID: WG1931054-1 QC Sample: L2431781-03 Client ID: DUP Sample						
Solids, Total	83.6	83.5	%	0		20

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431516
Report Date: 06/13/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-01A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-01X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-01Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-01Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-02A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-02X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-02Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-02Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-03A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-03X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-03Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-03Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-04A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-04B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-04C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-04D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-04X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-04Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-04Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-05A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-05X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-05Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-05Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-06A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-06X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-06Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-06Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-07A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-07X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-07Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-07Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-08A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-08B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-08C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-08D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-08X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-08Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-08Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-09A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-09X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-09Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-09Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-10A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-10X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-10Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-10Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-11A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-11X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-11Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-11Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-12A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-12B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-12C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-12D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-12X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-12Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-12Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-13A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-13X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-13Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-13Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-14A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-14X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-14Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-14Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-15A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-15X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-15Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-15Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-16A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-16B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-16C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-16D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-16X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-16Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-16Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-17A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-17X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-17Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 07:44	PA-8260HLW(14)
L2431516-17Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 07:44	PA-8260HLW(14)
L2431516-18A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-18X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-18Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-18Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-19A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-19X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-19Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-19Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-20A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431516**Project Number:** 200.00135**Report Date:** 06/13/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431516-20B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-20C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-20D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-20X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-20Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-20Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-21A	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21B	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21C	5 gram Encore Sampler	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2431516-21X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		PA-8260HLW(14)
L2431516-21Y	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-21Z	Vial Water preserved split	A	NA		3.5	Y	Absent	07-JUN-24 06:55	PA-8260HLW(14)
L2431516-22A	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-22B	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-22C	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-23A	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)
L2431516-23B	Vial HCl preserved	A	NA		3.5	Y	Absent		PA-8260(14)

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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.

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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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.)

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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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



CHAIN OF CUSTODY

PAGE 1 OF 3

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: PESRM
Project Location: Philadelphia, PA
Project #: Z00.00135
Project Manager: Bill Schmidt
ALPHA Quote #:

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client info PO #:

Client Information

Client: Ransom Consulting, LLC
Address: 2127 Hamilton Ave
Hamilton, NJ 08619
Phone: 609.584.0090
Fax: 609.584.1190
Email: william.schmidt@ransomenv.com

These samples have been previously analyzed by Alpha

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
Date Due: _____ Time: _____

Regulatory Requirements/Report Limits

State /Fed Program: PADEP Criteria:

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS	TOTAL # BOTTLES
		Date	Time				
31516-01	GPR1211-01-SS01	6/5/24	9:30	S	DP	✓	
02	GPR1211-02-SS01		8:55			✓	
03	GPR1211-03-SS01		9:10			✓	
04	GPR1211-04-SS01		8:10			✓	
05	GPR1211-07-SS01		8:30			✓	
06	GPR1211-08-SS01		8:20			✓	
07	GPR1211-09-SS01		8:00			✓	
08	GPR1212-01-SS01		13:30			✓	
09	GPR1212-03-SS01		13:20			✓	
10	GPR1212-04-SS01		11:40			✓	

Benzene
Cumene

SAMPLE HANDLING

Filtration _____

Done
 Not needed
 Lab to do Preservation
 Lab to do

(Please specify below)

Sample Specific Comments

Container Type: E
Preservative:

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

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	<u>6/6/24 16:00</u>	<i>[Signature]</i>	<u>6/6/24 18:00</u>
<u>M.S. MACAN</u>		<u>M.S. MACAN</u>	<u>06/06 17:00</u>
<u>Christine PACE</u>	<u>6/6/24 13:00</u>	<u>Christine PACE</u>	<u>6/6/24 23:25</u>



ANALYTICAL REPORT

Lab Number:	L2431861
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/14/24

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431861-01	GPR1212-02-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:25	06/07/24
L2431861-02	GPR1215-07-SS01	SOIL	PHILADELPHIA, PA	06/06/24 14:10	06/07/24
L2431861-03	GPR1215-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 14:15	06/07/24
L2431861-04	GPR1216-02-SS01	SOIL	PHILADELPHIA, PA	06/06/24 14:00	06/07/24
L2431861-05	GPR1216-03-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:55	06/07/24
L2431861-06	GPR1216-04-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:25	06/07/24
L2431861-07	GPR1216-05-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:35	06/07/24
L2431861-08	GPR1216-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:20	06/07/24
L2431861-09	GPR1216-07-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:30	06/07/24
L2431861-10	GPR1216-08-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:15	06/07/24
L2431861-11	GPR1217-01-SS01	SOIL	PHILADELPHIA, PA	06/06/24 13:40	06/07/24
L2431861-12	GPR1217-05-SS01	SOIL	PHILADELPHIA, PA	06/06/24 12:05	06/07/24
L2431861-13	GPR1217-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:35	06/07/24
L2431861-14	GPR1217-07-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:20	06/07/24
L2431861-15	GPR1218-01-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:15	06/07/24
L2431861-16	GPR1218-02-SS01	SOIL	PHILADELPHIA, PA	06/06/24 07:40	06/07/24
L2431861-17	GPR1218-03-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:10	06/07/24
L2431861-18	GPR1218-04-SS01	SOIL	PHILADELPHIA, PA	06/06/24 07:50	06/07/24
L2431861-19	GPR1218-05-SS01	SOIL	PHILADELPHIA, PA	06/06/24 08:00	06/07/24
L2431861-20	GPR1218-06-SS01	SOIL	PHILADELPHIA, PA	06/06/24 07:30	06/07/24
L2431861-21	DUP-59	SOIL	PHILADELPHIA, PA	06/06/24 08:25	06/07/24
L2431861-22	FB-060624	WATER	PHILADELPHIA, PA	06/06/24 12:40	06/07/24
L2431861-23	TB-060624	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/07/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Case Narrative (continued)

Report Submission

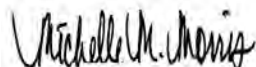
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The Client IDs were specified by the client.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/14/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-01
 Client ID: GPR1212-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:25
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 00:29
 Analyst: MKS
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00050	J	mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-02
 Client ID: GPR1215-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:10
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 02:59
 Analyst: MKS
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0012	0.00013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-03
 Client ID: GPR1215-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 03:39
 Analyst: MKS
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-04
 Client ID: GPR1216-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 04:36
 Analyst: MKS
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-05 D
 Client ID: GPR1216-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:55
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 12:04
 Analyst: JIC
 Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	470		mg/kg	6.5	0.71	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-06
 Client ID: GPR1216-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:25
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 13:24
 Analyst: JIC
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	33.		mg/kg	0.12	0.013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-07
 Client ID: GPR1216-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:35
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 13:50
 Analyst: JIC
 Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	6.5		mg/kg	0.12	0.013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-08
 Client ID: GPR1216-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 05:20
 Analyst: MKS
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00039	J	mg/kg	0.0010	0.00011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-09
 Client ID: GPR1216-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 12:31
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	15.		mg/kg	0.078	0.0085	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-10 D
 Client ID: GPR1216-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 12:58
 Analyst: JIC
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	160		mg/kg	0.54	0.059	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-11
 Client ID: GPR1217-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 09:00
 Analyst: JIC
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00018	J	mg/kg	0.0011	0.00012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	117		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-12
 Client ID: GPR1217-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:05
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 09:26
 Analyst: JIC
 Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	0.00054	J	mg/kg	0.0017	0.00019	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	116		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-13
 Client ID: GPR1217-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:35
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 09:53
 Analyst: JIC
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0015	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	117		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-14
 Client ID: GPR1217-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 10:19
 Analyst: JIC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00022	J	mg/kg	0.0010	0.00011	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-15
 Client ID: GPR1218-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 21:40
 Analyst: RAW
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00043	J	mg/kg	0.0016	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-16 D
 Client ID: GPR1218-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 23:27
 Analyst: RAW
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	10000		mg/kg	150	16.	2000
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-17
 Client ID: GPR1218-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:10
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 22:07
 Analyst: RAW
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0020		mg/kg	0.0015	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-18 D
 Client ID: GPR1218-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:50
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 23:53
 Analyst: RAW
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	9300		mg/kg	170	19.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-19
 Client ID: GPR1218-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 22:34
 Analyst: RAW
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0013	J	mg/kg	0.0014	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-20 D
 Client ID: GPR1218-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 00:20
 Analyst: RAW
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	19000		mg/kg	240	26.	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-21
 Client ID: DUP-59
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:25
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/12/24 23:00
 Analyst: RAW
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.0028		mg/kg	0.0012	0.00013	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-22
 Client ID: FB-060624
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:24
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-23
 Client ID: TB-060624
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/11/24 15:46
 Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/10/24 23:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04,08 Batch: WG1932739-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	101		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/11/24 10:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 22-23 Batch: WG1933118-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 11-14 Batch: WG1933921-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 08:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05-07,09-10 Batch: WG1933922-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	110		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15,17,19,21 Batch: WG1934117-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16,18,20 Batch: WG1934118-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04,08 Batch: WG1932739-3 WG1932739-4								
Isopropylbenzene	102		94		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		84		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	95		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 22-23 Batch: WG1933118-3 WG1933118-4								
Isopropylbenzene	100		92		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		112		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	107		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 11-14 Batch: WG1933921-3 WG1933921-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		88		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05-07,09-10 Batch: WG1933922-3 WG1933922-4								
Isopropylbenzene	83		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		87		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	86		89		70-130
Dibromofluoromethane	100		101		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15,17,19,21 Batch: WG1934117-3 WG1934117-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,18,20 Batch: WG1934118-3 WG1934118-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130

INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-01
Client ID: GPR1212-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:25
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-02
Client ID: GPR1215-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:10
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-03
Client ID: GPR1215-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-04
Client ID: GPR1216-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 14:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-05
Client ID: GPR1216-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:55
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.9		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-06
Client ID: GPR1216-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:25
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.4		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-07
Client ID: GPR1216-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:35
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	60.0		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-08
Client ID: GPR1216-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-09
Client ID: GPR1216-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.8		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-10
Client ID: GPR1216-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.1		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-11
Client ID: GPR1217-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 13:40
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-12
Client ID: GPR1217-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 12:05
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.2		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-13
Client ID: GPR1217-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:35
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.5		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-14
Client ID: GPR1217-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-15
Client ID: GPR1218-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-16
Client ID: GPR1218-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:40
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-17
Client ID: GPR1218-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:10
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.6		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-18
Client ID: GPR1218-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:50
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-19
Client ID: GPR1218-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-20
Client ID: GPR1218-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 07:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	06/08/24 11:30	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2431861-21
Client ID: DUP-59
Sample Location: PHILADELPHIA, PA

Date Collected: 06/06/24 08:25
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG1931513-1 QC Sample: L2431861-01 Client ID: GPR1212-02-SS01						
Solids, Total	76.1	76.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 21 QC Batch ID: WG1931514-1 QC Sample: L2432102-01 Client ID: DUP Sample						
Solids, Total	83.0	86.1	%	4		20

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-01A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-01X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-01Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-01Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-02A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-02X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-02Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-02Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-03A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-03X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-03Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-03Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-04A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-04B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-04C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-04D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-04X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-04Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-04Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-05A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-05X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-05Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-05Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-06A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-06X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-06Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-06Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-07A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-07X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-07Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-07Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-08A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-08B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-08C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-08D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-08X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-08Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-08Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-09A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-09X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-09Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-09Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-10A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-10X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-10Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-10Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-11A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-11X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-11Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-11Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-12A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-12B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-12C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-12D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-12X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-12Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-12Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-13A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-13X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-13Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-13Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-14A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-14X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-14Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-14Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-15A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-15X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-15Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-15Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-16A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-16B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-16C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-16D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-16X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-16Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-16Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-17A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-17X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-17Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-17Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-18A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-18X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-18Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-18Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-19A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-19X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-19Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-19Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-20A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2431861**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431861-20B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-20C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-20D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-20X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-20Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-20Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-21A	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21B	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21C	5 gram Encore Sampler	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2431861-21X	Vial MeOH preserved split	A	NA		2.8	Y	Absent		PA-8260HLW(14)
L2431861-21Y	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-21Z	Vial Water preserved split	A	NA		2.8	Y	Absent	08-JUN-24 06:57	PA-8260HLW(14)
L2431861-22A	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-22B	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-22C	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-23A	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)
L2431861-23B	Vial HCl preserved	A	NA		2.8	Y	Absent		PA-8260(14)

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2431861
Report Date: 06/14/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

A



CHAIN OF CUSTODY

PAGE 2 OF 3

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Date Rec'd in Lab: 6/7/24

ALPHA Job #: L2431867

Client Information

Client: Ransom Consulting, LLC
Address: 2127 Hamilton Ave
Hamilton, NJ 08619
Phone: 609 584 0070
Fax: 609 584 1190
Email: william.schmidt@ransomenv.com

Project Information

Project Name: PESRM
Project Location: Philadelphia
Project #: 200-00135
Project Manager: Bill Schmidt
ALPHA Quote #:

Report Information - Data Deliverables

FAX EMAIL
 ADEX Add'l Deliverables

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: PADES Criteria:

Turn-Around Time

Standard RUSH (only confirmed if pre-approved)

Date Due: Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS	CUMENE	TOTAL # BOTTLES	SAMPLE HANDLING	
			Filtration _____	Sample Specific Comments
			<input type="checkbox"/> Done	
			<input type="checkbox"/> Not needed	
			<input type="checkbox"/> Lab to do	
			Preservation	
			<input type="checkbox"/> Lab to do	
			(Please specify below)	

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials													
		Date	Time															
31861 -11	GPR1217-01-SS01	6/6/24	13:40	S	DP	✓												
-12	GPR1217-05-SS01		12:05			✓												
-13	GPR1217-06-SS01		8:35			✓												
-14	GPR1217-07-SS01		8:20			✓												
-15	GPR1218-01-SS01		8:15			✓												
-16	GPR1218-02-SS01		7:40			✓												
-17	GPR1218-03-SS01		8:10			✓												
-18	GPR1218-04-SS01		7:50			✓												
-19	GPR1218-05-SS01		8:00			✓												
-20	GPR1218-06-SS01		7:30			✓												

Container Type: E
Preservative:

Relinquished By:	Date/Time	Received By:	Date/Time
<u>[Signature]</u>	<u>6-7-24 1020</u>	<u>[Signature]</u>	<u>6-7-24 1020</u>
<u>[Signature]</u>	<u>6-7-24 1430</u>	<u>[Signature]</u>	<u>6-7-24 1430</u>
<u>[Signature]</u>	<u>6-7-24 1055</u>	<u>[Signature]</u>	<u>6-7-24 1655</u>

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

6/7/24 2340



ANALYTICAL REPORT

Lab Number:	L2432102
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/14/24

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432102-01	GPR1215-02-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:00	06/07/24
L2432102-02	GPR1217-03-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:10	06/07/24
L2432102-03	GPR1217-02-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:30	06/07/24
L2432102-04	GPR1215-04-SS01	SOIL	PHILADELPHIA, PA	06/07/24 08:55	06/07/24
L2432102-05	GPR1215-03-SS01	SOIL	PHILADELPHIA, PA	06/07/24 09:20	06/07/24
L2432102-06	GPR1215-05-SS01	SOIL	PHILADELPHIA, PA	06/07/24 09:30	06/07/24
L2432102-07	GPR1215-01-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:00	06/07/24
L2432102-08	GPR1217-04-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:30	06/07/24
L2432102-09	GPR1219-07-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:35	06/07/24
L2432102-10	GPR1215-09-SS01	SOIL	PHILADELPHIA, PA	06/07/24 10:50	06/07/24
L2432102-11	GPR1219-08-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:11	06/07/24
L2432102-12	GPR1215-08-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:20	06/07/24
L2432102-13	GPR1220-09-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:30	06/07/24
L2432102-14	GPR1220-08-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:40	06/07/24
L2432102-15	GPR1220-07-SS01	SOIL	PHILADELPHIA, PA	06/07/24 11:50	06/07/24
L2432102-16	GPR1219-06-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:00	06/07/24
L2432102-17	GPR1219-04-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:06	06/07/24
L2432102-18	GPR1219-03-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:15	06/07/24
L2432102-19	GPR1219-05-SS01	SOIL	PHILADELPHIA, PA	06/07/24 12:20	06/07/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

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: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Case Narrative (continued)

Report Submission

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


Sample Receipt

The Client IDs were specified by the client.

L2432102-15: The collection date and time on the chain of custody was 07-JUN-24 11:50; however, the collection date/time on the container label was 07-JUN-24 11:40. At the client's request, the collection date/time is reported as 07-JUN-24 11:50.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/14/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-01
 Client ID: GPR1215-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 00:47
 Analyst: RAW
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0018	0.00020	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	112		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-02
 Client ID: GPR1217-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:10
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 01:13
 Analyst: RAW
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0011	0.00012	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	112		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-03
 Client ID: GPR1217-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 01:40
 Analyst: RAW
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	0.00017	J	mg/kg	0.0015	0.00017	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-04
 Client ID: GPR1215-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:55
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 02:07
 Analyst: RAW
 Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0019	0.00020	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-05
 Client ID: GPR1215-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 02:34
 Analyst: RAW
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0026	0.00029	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-06 D
 Client ID: GPR1215-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 05:15
 Analyst: RAW
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	240		mg/kg	6.5	0.71	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	113		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-07
 Client ID: GPR1215-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 03:01
 Analyst: RAW
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0027	0.00030	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-08
 Client ID: GPR1217-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 03:27
 Analyst: RAW
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0023	0.00025	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-09
 Client ID: GPR1219-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:35
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 03:54
 Analyst: RAW
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0028	0.00031	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-10
 Client ID: GPR1215-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:50
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 04:21
 Analyst: RAW
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0014	0.00015	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	114		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-11
 Client ID: GPR1219-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:11
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 04:48
 Analyst: RAW
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0018	0.00020	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-12 D
 Client ID: GPR1215-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 05:42
 Analyst: RAW
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	3600		mg/kg	38	4.2	500
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-13 D
 Client ID: GPR1220-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:30
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 06:09
 Analyst: RAW
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	120		mg/kg	2.2	0.23	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	112		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-14
 Client ID: GPR1220-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:40
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 13:39
 Analyst: JIC
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	2.6		mg/kg	0.095	0.010	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-15
 Client ID: GPR1220-07-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:50
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 14:06
 Analyst: JIC
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	12.		mg/kg	0.11	0.012	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	91		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-16
 Client ID: GPR1219-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:00
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 14:32
 Analyst: JIC
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	0.37		mg/kg	0.15	0.017	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-17
 Client ID: GPR1219-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:06
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/13/24 15:51
 Analyst: JIC
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	11.		mg/kg	0.12	0.014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-18 D
 Client ID: GPR1219-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:15
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 09:59
 Analyst: AJK
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	3000		mg/kg	76	8.3	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-19 D
 Client ID: GPR1219-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:20
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 10:26
 Analyst: AJK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1900		mg/kg	68	7.5	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-05,07-11 Batch: WG1934117-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/12/24 21:14
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06,12-13 Batch: WG1934118-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/13/24 09:15
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 14-17 Batch: WG1934474-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/14/24 08:40
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18-19 Batch: WG1934492-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-05,07-11 Batch: WG1934117-3 WG1934117-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06,12-13 Batch: WG1934118-3 WG1934118-4								
Isopropylbenzene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 14-17 Batch: WG1934474-3 WG1934474-4								
Isopropylbenzene	89		84		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	87		88		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18-19 Batch: WG1934492-3 WG1934492-4								
Isopropylbenzene	106		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	97		98		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-01
Client ID: GPR1215-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-02
Client ID: GPR1217-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:10
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-03
Client ID: GPR1217-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-04
Client ID: GPR1215-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 08:55
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.7		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-05
Client ID: GPR1215-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-06
Client ID: GPR1215-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 09:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-07
Client ID: GPR1215-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-08
Client ID: GPR1217-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-09
Client ID: GPR1219-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:35
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-10
Client ID: GPR1215-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 10:50
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-11
Client ID: GPR1219-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:11
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-12
Client ID: GPR1215-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-13
Client ID: GPR1220-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:30
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-14
Client ID: GPR1220-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:40
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-15
Client ID: GPR1220-07-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 11:50
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-16
Client ID: GPR1219-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:00
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-17
 Client ID: GPR1219-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:06
 Date Received: 06/07/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.9		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-18
Client ID: GPR1219-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:15
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

SAMPLE RESULTS

Lab ID: L2432102-19
Client ID: GPR1219-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/07/24 12:20
Date Received: 06/07/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	06/08/24 11:50	121,2540G	ROI



Lab Duplicate Analysis
Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432102
Report Date: 06/14/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-19 QC Batch ID: WG1931514-1 QC Sample: L2432102-01 Client ID: GPR1215-02-SS01						
Solids, Total	83.0	86.1	%	4		20



Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**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(*)
L2432102-01A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-01X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-01Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-01Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-02A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-02X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-02Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-02Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-03A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-03X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-03Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-03Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-04A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-04B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-04C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-04D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-04X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-04Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-04Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-05A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-05X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-05Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-05Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-06A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-06X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-06Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-06Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-07A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-07X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-07Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-07Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-08A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-08B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-08C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-08D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-08X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-08Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-08Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-09A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-09X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-09Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-09Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-10A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-10X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-10Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-10Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-11A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-11X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-11Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-11Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-12A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-12B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-12C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-12D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-12X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-12Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-12Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-13A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-13X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-13Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-13Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-14A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-14X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-14Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-14Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-15A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-15X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-15Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-15Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-16A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-16B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432102**Project Number:** 200.00135**Report Date:** 06/14/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432102-16C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-16D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-16X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-16Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-16Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-17A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-17X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-17Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-17Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-18A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-18X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-18Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-18Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-19A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2432102-19X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		PA-8260HLW(14)
L2432102-19Y	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)
L2432102-19Z	Vial Water preserved split	A	NA		4.7	Y	Absent	08-JUN-24 11:05	PA-8260HLW(14)

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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.

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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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.)

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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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

 NEW JERSEY CHAIN OF CUSTODY		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 2		Date Rec'd In Lab 6/8/24		ALPHA Job # 12432102									
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9183		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: PESRM Project Location: Philadelphia, PA Project # 200-00135-014 (Use Project name as Project #) <input type="checkbox"/>		Deliverables: <input checked="" type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input type="checkbox"/> Same as Client Info PO#							
Client Information Client: Ransom Consulting Address: 2127 Hamilton Ave Hamilton, NJ Phone: 609 584 0900 Fax: Email: William.Schmidt@ransom.com		Project Manager: Bill Schmidt ALPHAQuote #: Turn-Around Time env.com Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input checked="" type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other		Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product:											
These samples have been previously analyzed by Alpha <input type="checkbox"/>		Other project specific requirements/comments: Please specify Metals or TAL.		ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)		Sample Specific Comments									
For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2		For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011		ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		<i>Cumene 8260</i>			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Relinquished By: Athena Sobush SSM		Date/Time 6/7/24 1500 6-7-24 1534 6/24		Received By: SSM		Date/Time 6-7-24 1600 6/7 2220 6/8/24 0040		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.)	

 <p>NEW JERSEY CHAIN OF CUSTODY</p> <p>Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193</p> <p>Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288</p>	<p><u>Service Centers</u></p> <p>Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105</p>		<p>Page</p> <p>2 of 2</p>	<p>Date Rec'd in Lab</p> <p>6/8/24</p>	<p>ALPHA Job #</p> <p>L2432102</p>				
	<p>Project Information</p> <p>Project Name: PESRM Project Location: Philadelphia, PA Project # 200.00135.014 (Use Project name as Project #) <input type="checkbox"/></p> <p>Project Manager: Bill Schmidt ALPHAQuote #:</p>		<p>Deliverables</p> <p><input checked="" type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other</p>		<p>Billing Information</p> <p><input type="checkbox"/> Same as Client Info PO #</p>				
<p>Client Information</p> <p>Client: Hanson Consulting Address: 2127 Hamilton Ave Hamilton NJ 08619 Phone: 609 584 0900 Fax: Email: william.schmidt@hansonmv.com</p>		<p>Turn-Around Time</p> <p>Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:</p>		<p>Regulatory Requirement *</p> <p><input checked="" type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other</p>					
<p>These samples have been previously analyzed by Alpha <input type="checkbox"/></p> <p>For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2</p>		<p>For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011</p> <p>Other project specific requirements/comments: Please specify Metals or TAL.</p>		<p>ANALYSIS</p> <p>Cumene 8260</p>					
<p>Sample Filtration</p> <p><input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)</p>		<p>Sample Specific Comments</p>		<p>Total Bottles</p>					
<p>ALPHA Lab ID (Lab Use Only)</p>	<p>Sample ID</p>	<p>Collection Date</p>	<p>Collection Time</p>	<p>Sample Matrix</p>	<p>Sampler's Initials</p>	<p>Analysis</p>	<p>Sample Specific Comments</p>	<p>Total Bottles</p>	
	37102-81	6/7/24	1111	Soil	AL	✓		4	
	12		1120		AL	✓		4	
	13		1130		AL	✓		4	
	14		1140		AL	✓		4	
	15		1150		AL	✓		4	
	16		1200		AL	✓		4	
	17		1206		AL	✓		4	
	18		1215		AL	✓		4	
	19		1220		AL	✓		4	
<p>Preservative Code: A = None B = HCl C = HNO₃ D = H₂SO₄ E = NaOH F = MeOH G = NaHSO₄ H = Na₂S₂O₈ K/E = Zn Ac/NaOH Q = Other</p>		<p>Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle</p>		<p>Westboro: Certification No: MA935 Mansfield: Certification No: MA015</p>		<p>Container Type: EAP Preservative: NA</p>		<p>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.)</p>	
<p>Relinquished By:</p> <p>Athena Johnson SSM</p>		<p>Date/Time</p> <p>6/7/24 1500 6-7-24 1124</p>		<p>Received By:</p> <p>SSM</p>		<p>Date/Time</p> <p>6-7-24 1600 6/9/24 1852 6/7/24 2220 6/8/24 0040</p>			



ANALYTICAL REPORT

Lab Number:	L2432380
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135
Report Date:	06/17/24

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

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



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432380-01	FB-061024	WATER	PHILADELPHIA, PA	06/10/24 14:30	06/10/24
L2432380-02	GPR1220-06-SS01	SOIL	PHILADELPHIA, PA	06/10/24 09:30	06/10/24
L2432380-03	GPR1220-05-SS01	SOIL	PHILADELPHIA, PA	06/10/24 09:40	06/10/24
L2432380-04	GPR1219-01-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:00	06/10/24
L2432380-05	GPR1220-03-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:15	06/10/24
L2432380-06	GPR1220-04-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:30	06/10/24
L2432380-07	GPR1220-01-SS01	SOIL	PHILADELPHIA, PA	06/10/24 10:45	06/10/24
L2432380-08	GPR1220-02-SS01	SOIL	PHILADELPHIA, PA	06/10/24 11:00	06/10/24
L2432380-09	GPR1214-09-SS01	SOIL	PHILADELPHIA, PA	06/10/24 12:20	06/10/24
L2432380-10	GPR1209-08-SS01	SOIL	PHILADELPHIA, PA	06/10/24 12:35	06/10/24
L2432380-11	GPR1209-09-SS01	SOIL	PHILADELPHIA, PA	06/10/24 13:15	06/10/24
L2432380-12	GPR1209-05-SS01	SOIL	PHILADELPHIA, PA	06/10/24 13:40	06/10/24
L2432380-13	GPR1205-05-SS01	SOIL	PHILADELPHIA, PA	06/10/24 14:00	06/10/24
L2432380-14	DUP-61	SOIL	PHILADELPHIA, PA	06/10/24 14:10	06/10/24
L2432380-15	TB-061024	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/10/24

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

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: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2432380-01: The Client ID was specified by the client.

L2432380-15: A sample identified as "TB-061024" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

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

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/17/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-01
 Client ID: FB-061024
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:30
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 11:43
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-02
 Client ID: GPR1220-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:30
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/15/24 19:23
 Analyst: AJK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	1.9		mg/kg	0.16	0.017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-03
 Client ID: GPR1220-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:40
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 14:34
 Analyst: AJK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	0.15		mg/kg	0.12	0.013	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-04
 Client ID: GPR1219-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/16/24 18:51
 Analyst: AJK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00076	J	mg/kg	0.0013	0.00014	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-05
 Client ID: GPR1220-03-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:15
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 09:06
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0020	0.00022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-06
 Client ID: GPR1220-04-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:30
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/16/24 18:25
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
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Isopropylbenzene	ND		mg/kg	0.0048	0.00052	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-07
 Client ID: GPR1220-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:45
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 09:33
 Analyst: AJK
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0020	0.00022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-08
 Client ID: GPR1220-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 11:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 12:40
 Analyst: AJK
 Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	ND		mg/kg	0.0022	0.00024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-09
 Client ID: GPR1214-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:20
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 15:28
 Analyst: AJK
 Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	2.9		mg/kg	0.058	0.019	1
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	102		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-10
 Client ID: GPR1209-08-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:35
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 13:07
 Analyst: AJK
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0031		mg/kg	0.00097	0.00032	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-11 D
 Client ID: GPR1209-09-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:15
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 15:54
 Analyst: AJK
 Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Benzene	20.		mg/kg	0.25	0.084	5
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-12
 Client ID: GPR1209-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:40
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 13:34
 Analyst: AJK
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 Low - Westborough Lab						
Benzene	0.0066		mg/kg	0.00072	0.00024	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-13 D
 Client ID: GPR1205-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 16:21
 Analyst: AJK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	180		mg/kg	0.50	0.17	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-14 D
 Client ID: DUP-61
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:10
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 16:48
 Analyst: AJK
 Percent Solids: 59%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
Benzene	71.		mg/kg	0.72	0.24	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-15
 Client ID: TB-061024
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/14/24 12:05
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	0.16	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/14/24 08:40
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05,07-08,10,12 Batch: WG1934490-5					
Benzene	ND		mg/kg	0.00050	0.00017
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/14/24 08:40
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03,09,11,13-14 Batch: WG1934492-5					
Benzene	ND		mg/kg	0.025	0.0083
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/14/24 07:40
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,15 Batch: WG1935086-5					
Benzene	ND		ug/l	0.50	0.16
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/15/24 10:34
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1935339-5					
Isopropylbenzene	ND		mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	106		70-130

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/16/24 17:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04,06 Batch: WG1935347-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05,07-08,10,12 Batch: WG1934490-3 WG1934490-4								
Benzene	95		92		70-130	3		30
Isopropylbenzene	106		102		70-130	4		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03,09,11,13-14 Batch: WG1934492-3 WG1934492-4								
Benzene	95		92		70-130	3		30
Isopropylbenzene	106		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,15 Batch: WG1935086-3 WG1935086-4								
Benzene	100		110		70-130	10		20
Isopropylbenzene	110		120		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		98		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1935339-3 WG1935339-4								
Isopropylbenzene	103		101		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		89		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	100		100		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04,06 Batch: WG1935347-3 WG1935347-4								
Isopropylbenzene	97		100		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		86		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	100		100		70-130



INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-02
Client ID: GPR1220-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:30
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-03
 Client ID: GPR1220-05-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 09:40
 Date Received: 06/10/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-04
Client ID: GPR1219-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:00
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-05
Client ID: GPR1220-03-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:15
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-06
Client ID: GPR1220-04-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:30
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-07
Client ID: GPR1220-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 10:45
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-08
Client ID: GPR1220-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 11:00
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.6		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-09
Client ID: GPR1214-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:20
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.6		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-10
Client ID: GPR1209-08-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 12:35
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-11
Client ID: GPR1209-09-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:15
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-12
Client ID: GPR1209-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 13:40
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-13
Client ID: GPR1205-05-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:00
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2432380-14
Client ID: DUP-61
Sample Location: PHILADELPHIA, PA

Date Collected: 06/10/24 14:10
Date Received: 06/10/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	58.7		%	0.100	NA	1	-	06/11/24 11:41	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-14 QC Batch ID: WG1932512-1 QC Sample: L2432380-02 Client ID: GPR1220-06-SS01						
Solids, Total	80.6	80.4	%	0		20

Project Name: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

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(*)
L2432380-01A	Vial HCl preserved	A	NA		2.4	Y	Absent		PA-8260(14)
L2432380-01B	Vial HCl preserved	A	NA		2.4	Y	Absent		PA-8260(14)
L2432380-01C	Vial HCl preserved	A	NA		2.4	Y	Absent		PA-8260(14)
L2432380-02A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-02X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-02Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-02Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-03A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-03X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-03Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-03Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-04A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-04X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-04Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432380**Project Number:** 200.00135**Report Date:** 06/17/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432380-04Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-05A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-05X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-05Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-05Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-06A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-06X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-06Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-06Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-07A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-07X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-07Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-07Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-08A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-08X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-08Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432380**Project Number:** 200.00135**Report Date:** 06/17/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432380-08Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-09A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-09X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-09Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-09Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-10A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-10X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-10Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-10Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-11A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-11X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-11Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-11Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-12A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-12X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-12Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432380**Project Number:** 200.00135**Report Date:** 06/17/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432380-12Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-13A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-13X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-13Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-13Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-14A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2432380-14X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		PA-8260HLW(14)
L2432380-14Y	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-14Z	Vial Water preserved split	A	NA		2.4	Y	Absent	11-JUN-24 12:41	PA-8260HLW(14)
L2432380-15A	Vial HCl preserved	NA	NA			Y	Absent		PA-8260(14)
L2432380-15B	Vial HCl preserved	NA	NA			Y	Absent		PA-8260(14)

Project Name: PESRM
Project Number: 200.00135

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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.

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



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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: PESRM
Project Number: 200.00135

Lab Number: L2432380
Report Date: 06/17/24

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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



ANALYTICAL REPORT

Lab Number:	L2432738
Client:	Ransom/Hilco 99 Summer St. Suite 1110 Boston, MA 02110
ATTN:	Joe Jeray
Phone:	(978) 729-3209
Project Name:	PESRM
Project Number:	200.00135.027.02
Report Date:	06/19/24

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

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Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432738-01	GPR1216-01-SS01	SOIL	PHILADELPHIA, PA	06/11/24 07:40	06/11/24
L2432738-02	DUP-60	SOIL	PHILADELPHIA, PA	06/11/24 07:45	06/11/24
L2432738-03	FB-061124	WATER	PHILADELPHIA, PA	06/11/24 08:10	06/11/24
L2432738-04	GPR1219-02-SS01	SOIL	PHILADELPHIA, PA	06/11/24 08:00	06/11/24
L2432738-05	GPR1211-06-SS01	SOIL	PHILADELPHIA, PA	06/11/24 08:20	06/11/24
L2432738-06	TG06-MW01R-1.5-2.0	SOIL	PHILADELPHIA, PA	06/11/24 09:45	06/11/24
L2432738-07	TG06-MW01R-6.5-7.0	SOIL	PHILADELPHIA, PA	06/11/24 10:10	06/11/24
L2432738-08	TG06-MW01R-7.0-7.5	SOIL	PHILADELPHIA, PA	06/11/24 10:00	06/11/24
L2432738-09	TB-240611	WATER	PHILADELPHIA, PA	05/31/24 00:00	06/11/24

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2432738-06, -07, and -08: The Client ID was specified by the client.

L2432738-09: A Trip Blank was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed and reported as "TB-240611".

Volatile Organics

L2432738-03: The Field Blank has a result for isopropylbenzene present above the reporting limit. The sample was re-analyzed and did not confirm the original results. The results of both analyses are reported.

L2432738-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2432738-06D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (137%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2432738-07: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (156%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2432738-08: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (194%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Total Metals

L2432738-06 through -08: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Project Name: PESRM
Project Number: 200.00135.027.02

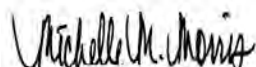
Lab Number: L2432738
Report Date: 06/19/24

Case Narrative (continued)

The WG1934549-4 Laboratory Duplicate RPD for lead (43%), performed on L2432738-06, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 06/19/24

ORGANICS

VOLATILES

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-01
 Client ID: GPR1216-01-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:40
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/18/24 12:03
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.017		mg/kg	0.0014	0.00016	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-02
 Client ID: DUP-60
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/16/24 19:18
 Analyst: AJK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Isopropylbenzene	0.00051	J	mg/kg	0.0016	0.00017	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	111		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-03
 Client ID: FB-061124
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/15/24 16:19
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	0.53		ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-03 R
 Client ID: FB-061124
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 19:18
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab						
Isopropylbenzene	0.24	J	ug/l	0.50	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	109		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-04 D
 Client ID: GPR1219-02-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/18/24 13:26
 Analyst: JIC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	3900		mg/kg	40	4.4	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-05 D
 Client ID: GPR1211-06-SS01
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:20
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/18/24 13:53
 Analyst: JIC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by EPA 5035 High - Westborough Lab						
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Isopropylbenzene	5600		mg/kg	48	5.2	500
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06 D
 Client ID: TG06-MW01R-1.5-2.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 11:59
 Analyst: JIC
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	1.2	0.12	10
Benzene	ND		mg/kg	0.31	0.10	10
1,2-Dichloroethane	ND		mg/kg	0.62	0.16	10
Toluene	0.60	J	mg/kg	0.62	0.34	10
1,2-Dibromoethane	ND		mg/kg	0.31	0.18	10
Ethylbenzene	0.16	J	mg/kg	0.62	0.087	10
p/m-Xylene	ND		mg/kg	1.2	0.35	10
o-Xylene	ND		mg/kg	0.62	0.18	10
Xylenes, Total	ND		mg/kg	0.62	0.18	10
Isopropylbenzene	0.28	J	mg/kg	0.62	0.068	10
1,3,5-Trimethylbenzene	2.6		mg/kg	1.2	0.12	10
1,2,4-Trimethylbenzene	5.5		mg/kg	1.2	0.21	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	137	Q	70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
 Client ID: TG06-MW01R-6.5-7.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 12:20
 Analyst: JIC
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.13	0.013	1
Benzene	0.067		mg/kg	0.032	0.011	1
1,2-Dichloroethane	ND		mg/kg	0.064	0.016	1
Toluene	0.078		mg/kg	0.064	0.035	1
1,2-Dibromoethane	ND		mg/kg	0.032	0.019	1
Ethylbenzene	0.23		mg/kg	0.064	0.0091	1
p/m-Xylene	0.18		mg/kg	0.13	0.036	1
o-Xylene	0.026	J	mg/kg	0.064	0.019	1
Xylenes, Total	0.21	J	mg/kg	0.064	0.019	1
Isopropylbenzene	0.48		mg/kg	0.064	0.0070	1
1,3,5-Trimethylbenzene	0.90		mg/kg	0.13	0.012	1
1,2,4-Trimethylbenzene	3.0		mg/kg	0.13	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	156	Q	70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
 Client ID: TG06-MW01R-7.0-7.5
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 06/17/24 12:41
 Analyst: JIC
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		mg/kg	0.18	0.018	1
Benzene	0.12		mg/kg	0.046	0.015	1
1,2-Dichloroethane	ND		mg/kg	0.091	0.023	1
Toluene	0.084	J	mg/kg	0.091	0.050	1
1,2-Dibromoethane	ND		mg/kg	0.046	0.027	1
Ethylbenzene	1.9		mg/kg	0.091	0.013	1
p/m-Xylene	1.0		mg/kg	0.18	0.051	1
o-Xylene	0.085	J	mg/kg	0.091	0.026	1
Xylenes, Total	1.1	J	mg/kg	0.091	0.026	1
Isopropylbenzene	2.0		mg/kg	0.091	0.010	1
1,3,5-Trimethylbenzene	3.6		mg/kg	0.18	0.018	1
1,2,4-Trimethylbenzene	20.		mg/kg	0.18	0.030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	194	Q	70-130
Dibromofluoromethane	93		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-09
 Client ID: TB-240611
 Sample Location: PHILADELPHIA, PA

Date Collected: 05/31/24 00:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 06/15/24 15:53
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
Toluene	ND		ug/l	0.75	0.20	1
1,2-Dibromoethane	ND		ug/l	2.0	0.19	1
Ethylbenzene	ND		ug/l	0.50	0.17	1
p/m-Xylene	ND		ug/l	1.0	0.33	1
o-Xylene	ND		ug/l	1.0	0.39	1
Xylenes, Total	ND		ug/l	1.0	0.33	1
Isopropylbenzene	ND		ug/l	0.50	0.19	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	107		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/17/24 08:31
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 06-08 Batch: WG1935346-5					
Methyl tert butyl ether	ND		mg/kg	0.10	0.010
Benzene	ND		mg/kg	0.025	0.0083
1,2-Dichloroethane	ND		mg/kg	0.050	0.013
Toluene	ND		mg/kg	0.050	0.027
1,2-Dibromoethane	ND		mg/kg	0.025	0.015
Ethylbenzene	ND		mg/kg	0.050	0.0070
p/m-Xylene	ND		mg/kg	0.10	0.028
o-Xylene	ND		mg/kg	0.050	0.014
Xylenes, Total	ND		mg/kg	0.050	0.014
Isopropylbenzene	ND		mg/kg	0.050	0.0054
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	0.0096
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	0.017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260D
Analytical Date: 06/16/24 17:59
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1935347-5					
Isopropylbenzene	ND		mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/15/24 14:35
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,09 Batch: WG1935365-5					
Methyl tert butyl ether	ND		ug/l	1.0	0.17
Benzene	ND		ug/l	0.50	0.16
1,2-Dichloroethane	ND		ug/l	0.50	0.13
Toluene	ND		ug/l	0.75	0.20
1,2-Dibromoethane	ND		ug/l	2.0	0.19
Ethylbenzene	ND		ug/l	0.50	0.17
p/m-Xylene	ND		ug/l	1.0	0.33
o-Xylene	ND		ug/l	1.0	0.39
Xylenes, Total	ND		ug/l	1.0	0.33
Isopropylbenzene	ND		ug/l	0.50	0.19
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.22
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/17/24 18:56
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1935677-5					
Isopropylbenzene	ND		ug/l	0.50	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/18/24 11:36
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1935974-5					
Isopropylbenzene	0.00040	J	mg/kg	0.0010	0.00011

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/18/24 11:36
Analyst: JIC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04-05 Batch: WG1935976-5					
Isopropylbenzene	0.020	J	mg/kg	0.050	0.0054

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 06-08 Batch: WG1935346-3 WG1935346-4								
Methyl tert butyl ether	95		95		66-130	0		30
Benzene	106		100		70-130	6		30
1,2-Dichloroethane	101		102		70-130	1		30
Toluene	105		100		70-130	5		30
1,2-Dibromoethane	94		97		70-130	3		30
Ethylbenzene	106		102		70-130	4		30
p/m-Xylene	108		102		70-130	6		30
o-Xylene	104		100		70-130	4		30
Isopropylbenzene	110		103		70-130	7		30
1,3,5-Trimethylbenzene	108		101		70-130	7		30
1,2,4-Trimethylbenzene	106		100		70-130	6		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	99		97		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1935347-3 WG1935347-4								
Isopropylbenzene	97		100		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		86		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	100		100		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,09 Batch: WG1935365-3 WG1935365-4								
Methyl tert butyl ether	91		88		63-130	3		20
Benzene	100		100		70-130	0		20
1,2-Dichloroethane	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
1,2-Dibromoethane	97		93		70-130	4		20
Ethylbenzene	100		100		70-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
Isopropylbenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	102		99		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	103		103		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1935677-3 WG1935677-4								
Isopropylbenzene	120		100		70-130	18		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	111		111		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1935974-3 WG1935974-4								
Isopropylbenzene	106		100		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	93		96		70-130
Dibromofluoromethane	99		98		70-130



Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04-05 Batch: WG1935976-3 WG1935976-4								
Isopropylbenzene	106		100		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	93		96		70-130
Dibromofluoromethane	99		98		70-130



SEMIVOLATILES

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06
 Client ID: TG06-MW01R-1.5-2.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 06/17/24 20:22
 Analyst: IM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	4.2		mg/kg	0.038	0.023	1
Fluorene	1.4		mg/kg	0.19	0.018	1
Phenanthrene	1.2		mg/kg	0.11	0.023	1
Anthracene	0.25		mg/kg	0.11	0.037	1
Pyrene	0.46		mg/kg	0.11	0.019	1
Benzo(a)anthracene	0.18		mg/kg	0.11	0.021	1
Chrysene	0.20		mg/kg	0.11	0.020	1
Benzo(b)fluoranthene	0.19		mg/kg	0.11	0.032	1
Benzo(a)pyrene	0.14	J	mg/kg	0.15	0.046	1
Indeno(1,2,3-cd)pyrene	0.091	J	mg/kg	0.15	0.026	1
Benzo(ghi)perylene	0.091	J	mg/kg	0.15	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	57		30-120
4-Terphenyl-d14	104		18-120

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
 Client ID: TG06-MW01R-6.5-7.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 06/17/24 20:45
 Analyst: IM
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	1.5		mg/kg	0.037	0.022	1
Fluorene	0.31		mg/kg	0.18	0.018	1
Phenanthrene	0.33		mg/kg	0.11	0.022	1
Anthracene	0.065	J	mg/kg	0.11	0.036	1
Pyrene	0.21		mg/kg	0.11	0.018	1
Benzo(a)anthracene	0.093	J	mg/kg	0.11	0.021	1
Chrysene	0.10	J	mg/kg	0.11	0.019	1
Benzo(b)fluoranthene	0.12		mg/kg	0.11	0.031	1
Benzo(a)pyrene	0.090	J	mg/kg	0.15	0.045	1
Indeno(1,2,3-cd)pyrene	0.067	J	mg/kg	0.15	0.026	1
Benzo(ghi)perylene	0.079	J	mg/kg	0.15	0.022	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	84		30-120
4-Terphenyl-d14	110		18-120

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
 Client ID: TG06-MW01R-7.0-7.5
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 06/17/24 21:08
 Analyst: IM
 Percent Solids: 65%

Extraction Method: EPA 3546
 Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	0.28		mg/kg	0.051	0.031	1
Fluorene	0.10	J	mg/kg	0.25	0.025	1
Phenanthrene	0.55		mg/kg	0.15	0.031	1
Anthracene	0.19		mg/kg	0.15	0.049	1
Pyrene	0.86		mg/kg	0.15	0.025	1
Benzo(a)anthracene	0.51		mg/kg	0.15	0.028	1
Chrysene	0.63		mg/kg	0.15	0.026	1
Benzo(b)fluoranthene	0.73		mg/kg	0.15	0.043	1
Benzo(a)pyrene	0.52		mg/kg	0.20	0.062	1
Indeno(1,2,3-cd)pyrene	0.34		mg/kg	0.20	0.035	1
Benzo(ghi)perylene	0.35		mg/kg	0.20	0.030	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	105		30-120
4-Terphenyl-d14	92		18-120

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8270E
Analytical Date: 06/17/24 14:36
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/16/24 17:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06-08 Batch: WG1935020-1					
Naphthalene	ND		mg/kg	0.033	0.020
Fluorene	ND		mg/kg	0.17	0.016
Phenanthrene	ND		mg/kg	0.10	0.020
Anthracene	ND		mg/kg	0.10	0.032
Pyrene	ND		mg/kg	0.10	0.016
Benzo(a)anthracene	ND		mg/kg	0.10	0.019
Chrysene	ND		mg/kg	0.10	0.017
Benzo(b)fluoranthene	ND		mg/kg	0.10	0.028
Benzo(a)pyrene	ND		mg/kg	0.13	0.040
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.13	0.023
Benzo(ghi)perylene	ND		mg/kg	0.13	0.020

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	103		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-08 Batch: WG1935020-2 WG1935020-3								
Naphthalene	86		91		40-140	6		50
Fluorene	88		97		40-140	10		50
Phenanthrene	88		98		40-140	11		50
Anthracene	92		101		40-140	9		50
Pyrene	96		107		35-142	11		50
Benzo(a)anthracene	91		100		40-140	9		50
Chrysene	90		98		40-140	9		50
Benzo(b)fluoranthene	83		91		40-140	9		50
Benzo(a)pyrene	86		94		40-140	9		50
Indeno(1,2,3-cd)pyrene	86		93		40-140	8		50
Benzo(ghi)perylene	85		92		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		84		25-120
Phenol-d6	89		84		10-120
Nitrobenzene-d5	95		89		23-120
2-Fluorobiphenyl	99		96		30-120
2,4,6-Tribromophenol	89		84		10-136
4-Terphenyl-d14	99		96		18-120



METALS

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06
 Client ID: TG06-MW01R-1.5-2.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	42.7		mg/kg	4.50	0.241	2	06/15/24 12:40	06/17/24 16:52	EPA 3050B	1,6010D	DHL



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
 Client ID: TG06-MW01R-6.5-7.0
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	65.0		mg/kg	4.33	0.232	2	06/15/24 12:40	06/17/24 18:00	EPA 3050B	1,6010D	DHL



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
 Client ID: TG06-MW01R-7.0-7.5
 Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
 Date Received: 06/11/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	73.1		mg/kg	5.88	0.315	2	06/15/24 12:40	06/17/24 18:04	EPA 3050B	1,6010D	DHL



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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): 06-08 Batch: WG1934549-1									
Lead, Total	ND	mg/kg	2.00	0.107	1	06/15/24 12:40	06/17/24 16:32	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 Batch: WG1934549-2								
Lead, Total	101		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

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): 06-08 QC Batch ID: WG1934549-3 QC Sample: L2432738-06 Client ID: TG06-MW01R-1.5-2.0												
Lead, Total	42.7	47.8	80.2	78		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06-08 QC Batch ID: WG1934549-4 QC Sample: L2432738-06 Client ID: TG06-MW01R-1.5-2.0						
Lead, Total	42.7	27.7	mg/kg	43	Q	20

INORGANICS & MISCELLANEOUS

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-01
Client ID: GPR1216-01-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:40
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-02
Client ID: DUP-60
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 07:45
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-04
Client ID: GPR1219-02-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:00
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-05
Client ID: GPR1211-06-SS01
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 08:20
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-06
Client ID: TG06-MW01R-1.5-2.0
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 09:45
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-07
Client ID: TG06-MW01R-6.5-7.0
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:10
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2432738-08
Client ID: TG06-MW01R-7.0-7.5
Sample Location: PHILADELPHIA, PA

Date Collected: 06/11/24 10:00
Date Received: 06/11/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.4		%	0.100	NA	1	-	06/12/24 09:57	121,2540G	ROI



Lab Duplicate Analysis

Batch Quality Control

Project Name: PESRM
Project Number: 200.00135.027.02

Lab Number: L2432738
Report Date: 06/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG1933215-1 QC Sample: L2432738-01 Client ID: GPR1216-01-SS01						
Solids, Total	82.5	82.8	%	0		20

Project Name: PESRM**Lab Number:** L2432738**Project Number:** 200.00135.027.02**Report Date:** 06/19/24**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(*)
L2432738-01A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2432738-01X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-01Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-01Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-02A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2432738-02X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-02Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-02Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-03C	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-04A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04D	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-04X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-04Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)

Project Name: PESRM**Lab Number:** L2432738**Project Number:** 200.00135.027.02**Report Date:** 06/19/24**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2432738-04Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-05A	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05B	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05C	5 gram Encore Sampler	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05D	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-05X	Vial MeOH preserved split	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-05Y	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-05Z	Vial Water preserved split	A	NA		2.2	Y	Absent	12-JUN-24 11:48	PA-8260HLW(14)
L2432738-06A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-06B	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-06C	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-06D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2432738-06F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		PA-PAH(14)
L2432738-07A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-07B	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-07C	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-07D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2432738-07F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		PA-PAH(14)
L2432738-08A	Vial MeOH preserved	A	NA		2.2	Y	Absent		PA-8260HLW(14)
L2432738-08B	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-08C	Vial water preserved	A	NA		2.2	Y	Absent	12-JUN-24 08:57	PA-8260HLW(14)
L2432738-08D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2432738-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		PB-TI(180)
L2432738-08F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		PA-PAH(14)
L2432738-09A	Vial HCl preserved	A	NA		2.2	Y	Absent		PA-8260(14)
L2432738-09B	Vial HCl preserved	A	NA		2.2	Y	Absent		HOLD-504/8011(14)

Project Name: PESRM**Lab Number:** L2432738**Project Number:** 200.00135.027.02**Report Date:** 06/19/24**Container Information****Container ID** **Container Type**

Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
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Container Comments

L2432738-09B Headspace Present.

Project Name: PESRM
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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



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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

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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.)

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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; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: EPA RSK-175 Dissolved Gases

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

 NEW JERSEY CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-896-9220 FAX: 508-896-9193	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	Date Rec'd In Lab	6/12/24	ALPHA Job # L2432738					
		1 of 1								
Client Information Client: <u>Benson</u> Address: <u>2127 Hamilton Ave</u> <u>HAMILTON, NJ</u> Phone: <u>609 584 0900</u> Fax: Email: <u>william.schmidt@pinchin.com</u>	Project Information Project Name: <u>PESRM</u> Project Location: <u>Philadelphia, PA</u> Project # <u>200-00135.027.02</u> (Use Project name as Project #) <input type="checkbox"/>	Deliverables <input type="checkbox"/> NJ Full / Reduced <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other	Billing Information <input type="checkbox"/> Same as Client Info PO #							
	Project Manager: <u>Bill Schmidt</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:	Regulatory Requirement <input type="checkbox"/> SRS Residential/Non Residential <input type="checkbox"/> SRS Impact to Groundwater <input type="checkbox"/> NJ Ground Water Quality Standards <input type="checkbox"/> NJ IGW SPLP Leachate Criteria <input type="checkbox"/> Other		Site Information Is this site impacted by Petroleum? Yes <input type="checkbox"/> Petroleum Product:						
These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS							
For EPH, selection is REQUIRED: <input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2	For VOC, selection is REQUIRED: <input type="checkbox"/> 1,4-Dioxane <input type="checkbox"/> 8011	Other project specific requirements/comments: <u>indeno(1,2,3-cd)pyrene, Benzene, Cumene, 1,2-Dichloroethane, 1,2-Dibromethane, ethyl benzene, toluene, 1,2,4-trimethylbenzene, Pyrene. Please specify Metals or TAL: 1,3,5-trimethyl benzene, Lead, methyl tert-butyl ether, xylenes (total), Fluorene, anthracene, benzo(a)anthracene, benzo(a)pyrene, Phenanthrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, chrysene, Naphthalene</u>				Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)				
ALPHA Lab ID (Last Use Only)	Sample ID	Collection Date Time	Sample Matrix	Sampler's Initials	Sample Specific Comments					
<u>32138-01</u>	<u>GPR1216-01-SS01</u>	<u>6/11/24</u>	<u>0740</u>	<u>S</u>	<u>AL</u>	<u>✓</u>				<u>4</u>
<u>-02</u>	<u>DUP-60</u>		<u>0745</u>	<u>S</u>	<u>AL</u>	<u>✓</u>				<u>4</u>
<u>-03</u>	<u>FB-061124</u>		<u>0810</u>	<u>Ag</u>	<u>AL</u>	<u>✓</u>				<u>3</u>
<u>-04</u>	<u>GPR1219-02-SS01</u>		<u>0800</u>	<u>S</u>	<u>AL</u>	<u>✓</u>				<u>4</u>
<u>-05</u>	<u>GPR1211-06-SS01</u>		<u>0820</u>	<u>S</u>	<u>AL</u>	<u>✓</u>				<u>4</u>
<u>-06</u>	<u>TG06-MW01-1.5-2.0</u>		<u>0945</u>	<u>S</u>	<u>AL</u>	<u>✓</u>			<u>See attached for analysis</u>	<u>6</u>
<u>-07</u>	<u>TG06-MW01-6.5-7.0</u>		<u>1010</u>	<u>S</u>	<u>AL</u>	<u>✓</u>			<u>See attached for analysis</u>	<u>6</u>
<u>-08</u>	<u>TG06-MW01-7.0-7.5</u>	<u>✓</u>	<u>1000</u>	<u>S</u>	<u>AL</u>	<u>✓</u>			<u>See attached for analysis</u>	<u>6</u>
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		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.)		
Relinquished By: <u>Anthony Green</u>		Date/Time: <u>6/11/24 1450</u>		Received By: <u>Anthony Green</u>		Date/Time: <u>6/11/24 1546</u>				
Relinquished By: <u>Anthony Green</u>		Date/Time: <u>6/11/24 19:20</u>		Received By: <u>Anthony Green</u>		Date/Time: <u>6/11/24 19:20</u>				
Relinquished By: <u>Anthony Green</u>		Date/Time: <u>6/12/24</u>		Received By: <u>Anthony Green</u>		Date/Time: <u>JUN 11 2024 09:07</u>				
Relinquished By: <u>Anthony Green</u>		Date/Time: <u>6/12/24 0805</u>		Received By: <u>Anthony Green</u>		Date/Time: <u>6/12/24 0805</u>				

L2432738

Table 1
Site Characterization Soil Sampling
Tank Group 06
Philadelphia Energy Solutions Refining and Marketing LLC, Philadelphia, PA

- Notes:**
1. Proposed to ensure full coverage around the AST
 2. Proposed for horizontal delineation.
 3. Proposed for vertical delineation.

Abbreviations:
bgs – Below Ground Surface
WT – Water Table

Short List 1-6

Benzene
Cumene
1,2-Dibromoethane
1,2-Dichloroethane
Ethyl Benzene
Toluene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Methyl tert-butyl ether
Xylenes (total)

Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perylene
Chrysene
Fluorene
Indeno(1,2,3-cd)pyrene
Naphthalene
Phenanthrene
Pyrene
Lead

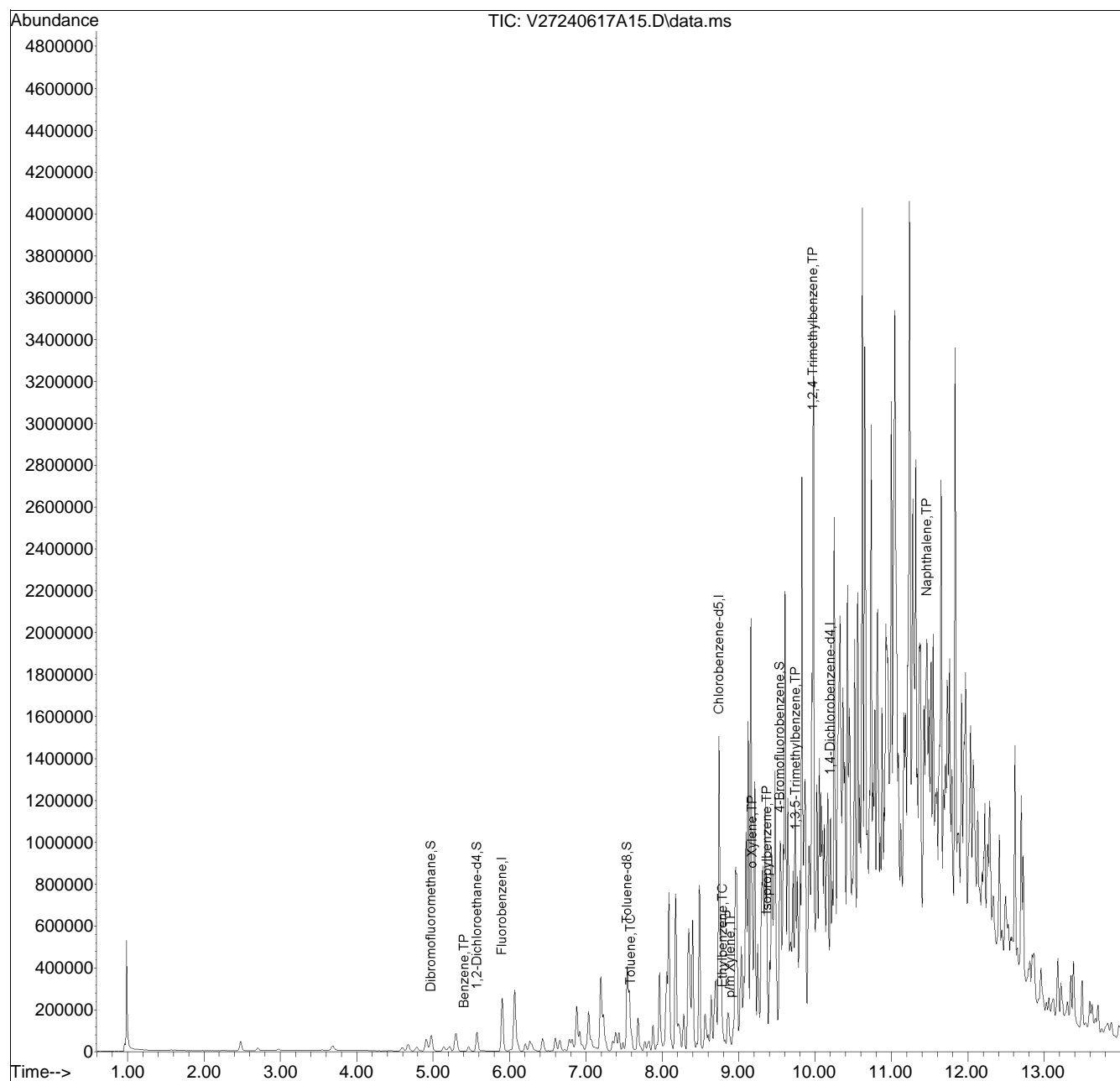
← analysis for "Short list 1-6"

Quantitation Report (QT Reviewed)

Data Path : K:\VOA127\2024\240617A\
Data File : V27240617A15.D
Acq On : 17 Jun 2024 11:59 am
Operator : VOA127:JIC
Sample : L2432738-06D,31H,5.41,5,0.01,,A
Misc : WG1935346,ICAL21177
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 18 08:27:39 2024
Quant Method : K:\VOA127\2024\240617A\V127_240606N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 07 09:03:54 2024
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list617A01.D•

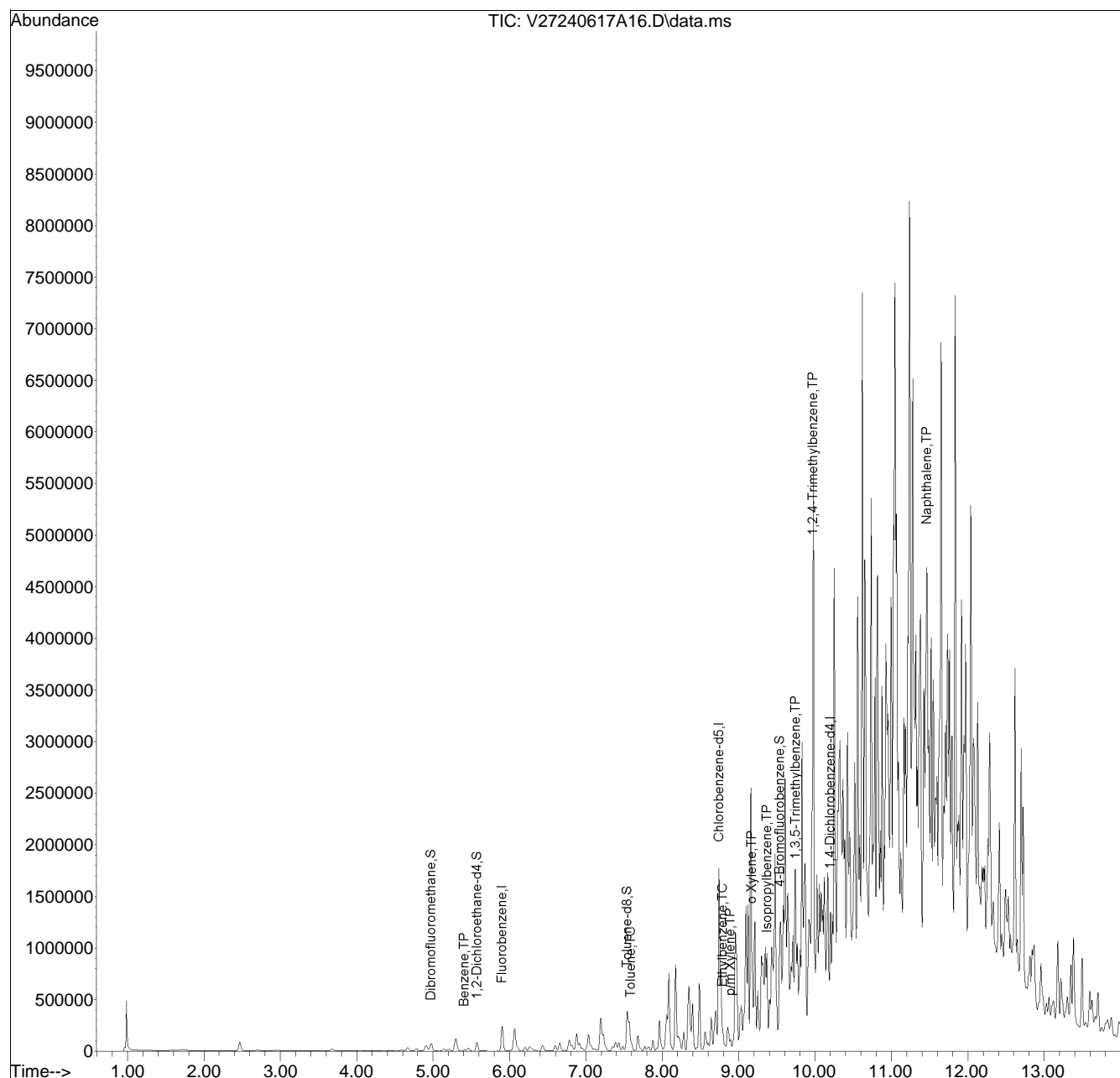


Quantitation Report (QT Reviewed)

Data Path : K:\VOA127\2024\240617A\
Data File : V27240617A16.D
Acq On : 17 Jun 2024 12:20 pm
Operator : VOA127:JIC
Sample : L2432738-07,31H,4.80,5,0.100,,A
Misc : WG1935346,ICAL21177
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 18 08:27:43 2024
Quant Method : K:\VOA127\2024\240617A\V127_240606N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 07 09:03:54 2024
Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list617A01.D•

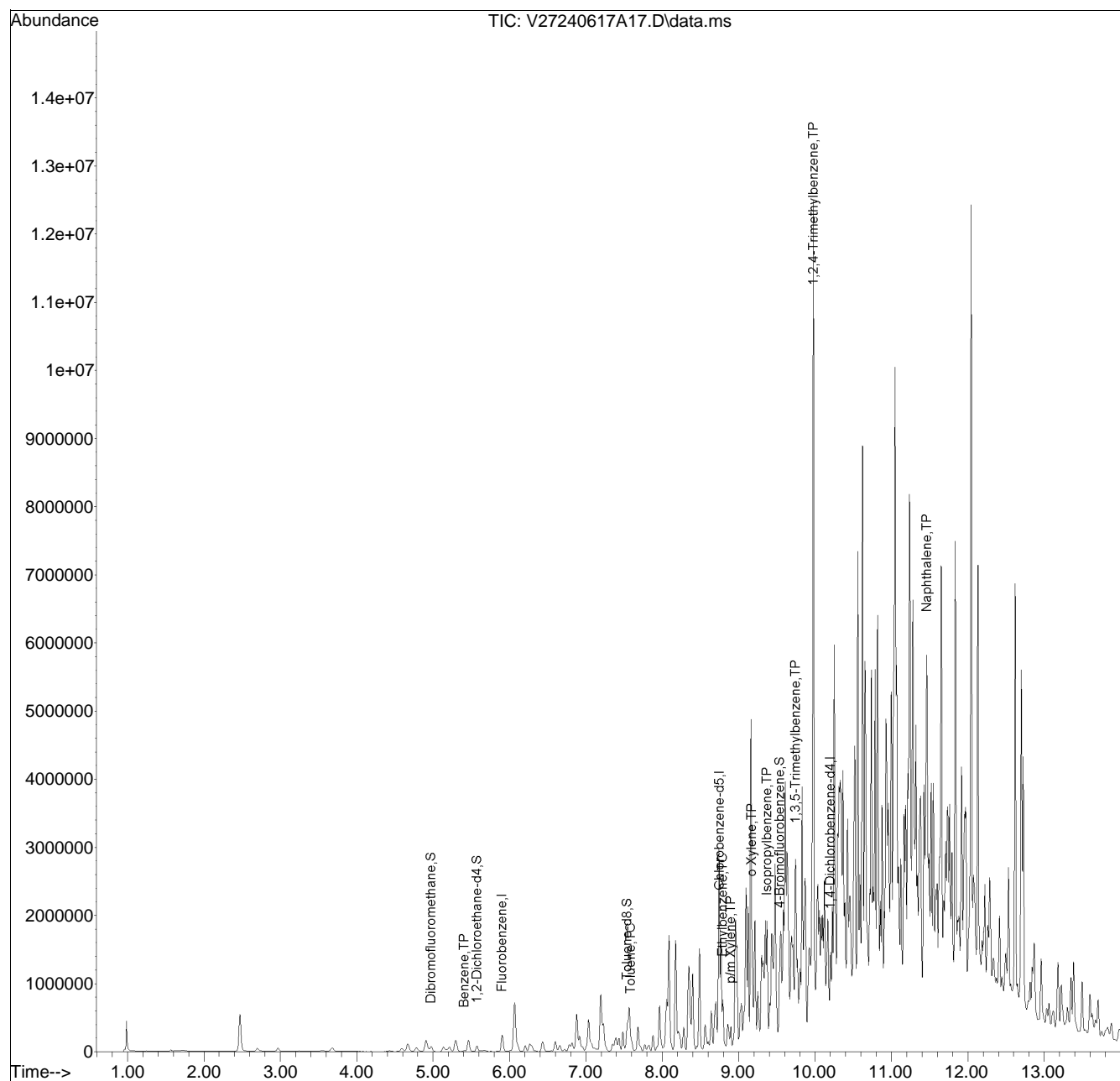


Quantitation Report (QT Reviewed)

Data Path : K:\VOA127\2024\240617A\
 Data File : V27240617A17.D
 Acq On : 17 Jun 2024 12:41 pm
 Operator : VOA127:JIC
 Sample : L2432738-08,31H,5.89,5,0.100,,A
 Misc : WG1935346,ICAL21177
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 18 08:27:48 2024
 Quant Method : K:\VOA127\2024\240617A\V127_240606N_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 07 09:03:54 2024
 Response via : Initial Calibration

Sub List : 8260-PA_ShortList - PA Short list617A01.D•



Appendix H

Site Assessment Soil Analytical Results



Table H1
Summary of Soil Analytical Results (GP R 1205)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1205-01	GPR1205-02	GPR1205-03	GPR1205-04	GPR1205-05	GPR1205-05	GPR1205-06	GPR1205-07	GPR1205-08	GPR1205-09
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1205-01-SS01	GPR1205-02-SS01	GPR1205-03-SS01	GPR1205-04-SS01	GPR1205-05-SS01	DUP-61	GPR1205-06-SS01	GPR1205-07-SS01	GPR1205-08-SS01	GPR1205-09-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.5 - 4.0	4.0 - 4.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	4.5 - 5.0	2.0 - 2.5	2.0 - 2.5	4.5 - 5.0
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW	MSC	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/10/2024	6/10/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024
Comments	Field Duplicate											
Volatile Organic Compounds												
Benzene	280	0.5	<u>170 (0.67)</u>	0.00032 J (0.00075)	<u>5.3 (0.058)</u>	0.00045 J (0.00073)	<u>180 (0.5)</u>	<u>71 (0.72)</u>	0.014 (0.0008)	0.0027 (0.00077)	0.003 (0.00087)	0.084 (0.00058)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviation:

J - Estimated Concentration

Table H2
Summary of Soil Analytical Results (GP R 1208)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1208-01	GPR1208-02	GPR1208-02	GPR1208-03	GPR1208-04	GPR1208-05	GPR1208-06	GPR1208-07
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1208-01-SS01	GPR1208-02-SS01-P	GPR1208-02-SS01-G	GPR1208-03-SS01	GPR1208-04-SS01	GPR1208-05-SS01	GPR1208-06-SS01	GPR1208-07-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	4.0 - 4.5	2.0 - 2.5	3.0 - 3.5	3.0 - 3.5	3.5 - 4.0	3.0 - 3.5	2.0 - 2.5	4.5 - 5.0
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW MSC		6/3/2024	6/3/2024	6/3/2024	6/4/2024	6/4/2024	6/4/2024	6/3/2024	6/3/2024
Comments										
Volatile Organic Compounds										
Benzene	280	0.5	0.032 (0.00066)	0.047 (0.0009)	0.012 (0.0007)	0.0007 (0.00063)	0.015 (0.00064)	<u>2.7 (0.095)</u>	0.035 (0.00071)	0.16 (0.0008)

- Notes:**
- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
 - 2 Only compounds with at least one detection are shown.
 - 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
 - 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Table H3
Summary of Soil Analytical Results (GP R 1209)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1209-01	GPR1209-02	GPR1209-03	GPR1209-04	GPR1209-05	GPR1209-06	GPR1209-07	GPR1209-08	GPR1209-09	GPR1209-10
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1209-01-SS01	GPR1209-02-SS01	GPR1209-03-SS01	GPR1209-04-SS01	GPR1209-05-SS01	GPR1209-06-SS01	GPR1209-07-SS01	GPR1209-08-SS01	GPR1209-09-SS01	GPR1209-10-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.0 - 3.5	3.5 - 4.0	2.5 - 3.0	2.5 - 3.0	3.0 - 3.5	3.0 - 3.5	3.5 - 4.0	3.0 - 3.5	3.5 - 4.0	3.0 - 3.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW	MSC	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/10/2024	6/4/2024	6/4/2024	6/10/2024	6/10/2024	6/4/2024
Comments												
Volatile Organic Compounds												
Benzene	280	0.5	0.0018 (0.00077)	ND (0.00055)	0.00092 (0.00078)	0.013 (0.00098)	0.0066 (0.00072)	0.02 (0.00092)	<u>3.6 (0.062)</u>	0.0031 (0.00097)	<u>20 (0.25)</u>	<u>420 (4.4)</u>

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviation:

ND - Not Detected

Table H4
Summary of Soil Analytical Results (GP R 1211)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1211-01	GPR1211-02	GPR1211-03	GPR1211-04	GPR1211-05	GPR1211-06	GPR1211-07	GPR1211-08	GPR1211-09
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1211-01-SS01	GPR1211-02-SS01	GPR1211-03-SS01	GPR1211-04-SS01	GPR1211-05-SS01	GPR1211-06-SS01	GPR1211-07-SS01	GPR1211-08-SS01	GPR1211-09-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.5 - 4.0	3.5 - 4.0	3.0 - 3.5	3.5 - 4.0	4.0 - 4.5	4.5 - 5.0	4.0 - 4.5	1.5 - 2.0	4.0 - 4.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW	MSC	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/4/2024	6/11/2024	6/5/2024	6/5/2024	6/5/2024
Comments											
Volatile Organic Compounds											
Cumene	10000	2500	<u>27000 (320)</u>	40 (0.22)	0.15 (0.13)	<u>23000 (240)</u>	<u>30000 (210)</u>	<u>5600 (48)</u>	8 (0.11)	7.4 (0.096)	<u>30000 (410)</u>

- Notes:**
- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
 - 2 Only compounds with at least one detection are shown.
 - 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
 - 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Table H5

Summary of Soil Analytical Results (GP R 1212)

Tank Group 09

Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1212-01	GPR1212-02	GPR1212-03	GPR1212-04	GPR1212-05	GPR1212-06	GPR1212-07	GPR1212-08	GPR1212-09	GPR1212-10	GPR1212-10
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1212-01-SS01	GPR1212-02-SS01	GPR1212-03-SS01	GPR1212-04-SS01	GPR1212-05-SS01	GPR1212-06-SS01	GPR1212-07-SS01	GPR1212-08-SS01	GPR1212-09-SS01	GPR1212-10-SS01	DUP-58
Collection Depth (ft bgs)	Contact with Soil	Aquifer	4.5 - 5.0	2.0 - 2.5	4.5 - 5.0	4.5 - 5.0	4.5 - 5.0	4.0 - 4.5	3.5 - 4.0	4.5 - 5.0	4.0 - 4.5	3.0 - 3.5	3.0 - 3.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW	MSC	6/5/2024	6/6/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024	6/5/2024
Comments													Field Duplicate
Volatile Organic Compounds													
Cumene	10000	2500	6.6 (0.17)	0.0005 J (0.0013)	<u>6000 (80)</u>	<u>55000 (250)</u>	0.16 (0.12)	3.2 (0.1)	1500 (10)	12 (0.1)	510 (7.1)	0.00014 J (0.001)	0.0028 (0.0013)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviation:

J - Estimated Concentration

Table H6
Summary of Soil Analytical Results (GP R 1213)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1213-01	GPR1213-02	GPR1213-03	GPR1213-04	GPR1213-05	GPR1213-06	GPR1213-07
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1213-01-SS01	GPR1213-02-SS01	GPR1213-03-SS01	GPR1213-04-SS01	GPR1213-05-SS01	GPR1213-06-SS01	GPR1213-07-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.0 - 3.5	4.5 - 5.0	4.5 - 5.0	4.5 - 5.0	2.0 - 2.5	3.5 - 4.0	3.5 - 4.0
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW MSC		6/5/2024	6/4/2024	6/4/2024	6/4/2024	6/5/2024	6/5/2024	6/4/2024
Comments									
Volatile Organic Compounds									
Cumene	10000	2500	0.0042 (0.0014)	<u>22000 (200)</u>	1 (0.11)	<u>16000 (310)</u>	0.00058 J (0.0015)	9.6 (0.11)	<u>21000 (160)</u>

- Notes:**
- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
 - 2 Only compounds with at least one detection are shown.
 - 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
 - 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviation:
J - Estimated Concentration

Table H7
Summary of Soil Analytical Results (GP R 1214)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1214-01	GPR1214-02	GPR1214-03	GPR1214-04	GPR1214-05	GPR1214-06	GPR1214-07	GPR1214-07	GPR1214-08	GPR1214-09
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1214-01-SS01	GPR1214-02-SS01	GPR1214-03-SS01	GPR1214-04-SS01	GPR1214-05-SS01	GPR1214-06-SS01	GPR1214-07-SS01	DUP-57	GPR1214-08-SS01	GPR1214-09-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.0 - 3.5	3.0 - 3.5	4.0 - 4.5	1.0 - 1.5	4.0 - 4.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	4.5 - 5.0	2.0 - 2.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW	MSC	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/4/2024	6/10/2024
Comments	Field Duplicate											
Volatile Organic Compounds												
Benzene	280	0.5	0.00031 J (0.00067)	0.085 (0.00076)	0.036 (0.00092)	0.0003 J (0.00064)	0.038 (0.00088)	0.0078 (0.00085)	0.00055 J (0.00067)	0.00044 J (0.00063)	<u>1.7 (0.035)</u>	<u>2.9 (0.058)</u>

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviation:

J - Estimated Concentration

Table H8

Summary of Soil Analytical Results (GP R 1215)

Tank Group 09

Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1215-01	GPR1215-02	GPR1215-03	GPR1215-04	GPR1215-05	GPR1215-06	GPR1215-07	GPR1215-08	GPR1215-09
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1215-01-SS01	GPR1215-02-SS01	GPR1215-03-SS01	GPR1215-04-SS01	GPR1215-05-SS01	GPR1215-06-SS01	GPR1215-07-SS01	GPR1215-08-SS01	GPR1215-09-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.5 - 4.0	2.0 - 2.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW	MSC	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/6/2024	6/6/2024	6/7/2024	6/7/2024
Comments											
Volatile Organic Compounds											
Cumene	10000	2500	ND (0.0027)	ND (0.0018)	ND (0.0026)	ND (0.0019)	240 (6.5)	ND (0.0013)	ND (0.0012)	<u>3600 (38)</u>	ND (0.0014)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviation:

ND - Not Detected

Table H9
Summary of Soil Analytical Results (GP R 1216)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1216-01	GPR1216-01	GPR1216-02	GPR1216-03	GPR1216-04	GPR1216-05	GPR1216-06	GPR1216-07	GPR1216-08
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1216-01-SS01	DUP-60	GPR1216-02-SS01	GPR1216-03-SS01	GPR1216-04-SS01	GPR1216-05-SS01	GPR1216-06-SS01	GPR1216-07-SS01	GPR1216-08-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	2.0 - 2.5	2.0 - 2.5	3.0 - 3.5	3.5 - 4.0	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	2.0 - 2.5	4.0 - 4.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW MSC		6/11/2024	6/11/2024	6/6/2024	6/6/2024	6/6/2024	6/6/2024	6/6/2024	6/6/2024	6/6/2024
Comments	Field Duplicate										
Volatile Organic Compounds											
Cumene	10000	2500	0.017 (0.0014)	0.00051 J (0.0016)	ND (0.0011)	470 (6.5)	33 (0.12)	6.5 (0.12)	0.00039 J (0.001)	15 (0.078)	160 (0.54)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 No concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- J - Estimated Concentration

Table H10
Summary of Soil Analytical Results (GP R 1217)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1217-01	GPR1217-02	GPR1217-03	GPR1217-04	GPR1217-05	GPR1217-06	GPR1217-07	GPR1217-07
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1217-01-SS01	GPR1217-02-SS01	GPR1217-03-SS01	GPR1217-04-SS01	GPR1217-05-SS01	GPR1217-06-SS01	GPR1217-07-SS01	DUP-59
Collection Depth (ft bgs)	Contact with Soil	Aquifer	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	2.0 - 2.5	3.0 - 3.5	2.0 - 2.5	2.0 - 2.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW MSC		6/6/2024	6/7/2024	6/7/2024	6/7/2024	6/6/2024	6/6/2024	6/6/2024	6/6/2024
Comments										Field Duplicate
Volatile Organic Compounds										
Cumene	10000	2500	0.00018 J (0.0011)	0.00017 J (0.0015)	ND (0.0011)	ND (0.0023)	0.00054 J (0.0017)	ND (0.0015)	0.00022 J (0.001)	0.0028 (0.0012)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 No concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- J - Estimated Concentration

Table H11
Summary of Soil Analytical Results (GP R 1218)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1218-01	GPR1218-02	GPR1218-03	GPR1218-04	GPR1218-05	GPR1218-06	GPR1218-07
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1218-01-SS01	GPR1218-02-SS01	GPR1218-03-SS01	GPR1218-04-SS01	GPR1218-05-SS01	GPR1218-06-SS01	GPR1218-07-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	2.5 - 3.0	2.5 - 3.0	3.5 - 4.0	3.0 - 3.5	3.5 - 4.0	4.0 - 4.5	2.0 - 2.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW MSC		6/6/2024	6/6/2024	6/6/2024	6/6/2024	6/6/2024	6/6/2024	6/5/2024
Comments									
Volatile Organic Compounds									
Cumene	10000	2500	0.00043 J (0.0016)	<u>10000 (150)</u>	0.002 (0.0015)	<u>9300 (170)</u>	0.0013 J (0.0014)	<u>19000 (240)</u>	0.12 (0.088)

- Notes:**
- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
 - 2 Only compounds with at least one detection are shown.
 - 3 Grey shaded concentrations exceed the Non-Res Direct Contact with Soil MSC.
 - 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.
- Abbreviation:**
- J - Estimated Concentration

Table H12
Summary of Soil Analytical Results (GP R 1219)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1219-01	GPR1219-02	GPR1219-03	GPR1219-04	GPR1219-05	GPR1219-06	GPR1219-07	GPR1219-08
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1219-01-SS01	GPR1219-02-SS01	GPR1219-03-SS01	GPR1219-04-SS01	GPR1219-05-SS01	GPR1219-06-SS01	GPR1219-07-SS01	GPR1219-08-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.0 - 3.5	4.0 - 4.5	4.5 - 5.0	3.0 - 3.5	2.5 - 3.0	3.0 - 3.5	3.0 - 3.5	2.0 - 2.5
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date	Soil-to-GW MSC		6/10/2024	6/11/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024	6/7/2024
Comments										
Volatile Organic Compounds										
Cumene	10000	2500	0.00076 J (0.0013)	<u>3900 (40)</u>	<u>3000 (76)</u>	11 (0.12)	1900 (68)	0.37 (0.15)	ND (0.0028)	ND (0.0018)

Notes:

- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.
- 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
- 4 Underlined concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviations:

- ND - Not Detected
- J - Estimated Concentration

Table H13
Summary of Soil Analytical Results (GP R 1220)
Tank Group 09
Bellwether District Holdings, LLC , Philadelphia, PA

Location			GPR1220-01	GPR1220-02	GPR1220-03	GPR1220-04	GPR1220-05	GPR1220-06	GPR1220-07	GPR1220-08	GPR1220-09
Field Sample ID	Non-Res Direct	Non-Res Used	GPR1220-01-SS01	GPR1220-02-SS01	GPR1220-03-SS01	GPR1220-04-SS01	GPR1220-05-SS01	GPR1220-06-SS01	GPR1220-07-SS01	GPR1220-08-SS01	GPR1220-09-SS01
Collection Depth (ft bgs)	Contact with Soil	Aquifer	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	3.0 - 3.5	2.0 - 2.5	2.0 - 2.5	4.5 - 5.0	4.5 - 5.0
Sample Method	MSC	(TDS ≤ 2500)	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Sample Date		Soil-to-GW MSC	6/10/2024	6/10/2024	6/10/2024	6/10/2024	6/10/2024	6/10/2024	6/7/2024	6/7/2024	6/7/2024
Comments											
Volatile Organic Compounds											
Cumene	10000	2500	ND (0.002)	ND (0.0022)	ND (0.002)	ND (0.0048)	0.15 (0.12)	1.9 (0.16)	12 (0.11)	2.6 (0.095)	120 (2.2)

- Notes:**
- 1 All concentrations reported in mg/kg (ppm); detection limits in parentheses.
 - 2 Only compounds with at least one detection are shown.
 - 3 No concentrations exceed the Non-Res Direct Contact with Soil MSC.
 - 4 No concentrations exceed the Non-Res Used Aquifer (TDS ≤ 2500) Soil-to-GW MSC.

Abbreviation:
ND - Not Detected

Table H14
Summary of QAQC Analytical Results
Tank Group 09

Bellwether District Holdings, LLC , Philadelphia, PA

Location	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
Field Sample ID	TB-060324	TB-060424	TB-060524	TB-060624	TB-061024	TB-240611	FB-060324	FB-060424	FB-060524	FB-060624	FB-061024	FB-061124
Sample Date	5/31/2024	5/31/2024	5/31/2024	5/31/2024	5/31/2024	5/31/2024	6/3/2024	6/4/2024	6/5/2024	6/6/2024	6/10/2024	6/11/2024
Comments	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank	Field Blank
Volatile Organic Compounds												
Cumene	NA	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.53 (0.5)

Notes:

- 1 All concentrations reported in ug/L (ppb); detection limits in parentheses.
- 2 Only compounds with at least one detection are shown.

Abbreviations:

- ND - Not Detected
- NA - Not Analyzed

Table H15
Quality Control Checklist
 Bellwether District Holdings, LLC, Philadelphia, PA

Date Sampled	Keyfile-Related			EDD-Related											Check for Concerning Qualifiers	Comments
	Check Lab Login	Check Keyfile	Check COC/Field Notes	Check Sample IDs	Check Analyte List Reported	Review EDD for Issues	Check Dates, Matrix and	Multiple Results					Resolved			
								Reported	Surrogate Recovery	Data Qualifiers	Reasonable Limits	Other				
6/3/2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No							Yes	
6/4/2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No							Yes	
6/5/2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No							Yes	
6/6/2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No							Yes	
6/7/2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No							Yes	
6/10/2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No							Yes	
6/11/2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	L2432738-03 (FB-061124): VOCs reported for two runs. The Field Blank has a result for isopropylbenzene present above the reporting limit. The sample was re-analyzed and did not confirm the original results. The results of both analyses are reported. If both results are detected, the higher of detections is selected as reportable; if one result is detected and one is non-detect, the detection is selected as reportable; if both results are non-detect, the lower reporting limit is selected as reportable.

Table H16

Quality Control Methodology

Bellwether District Holdings, LLC, Philadelphia, PA

Multiple VOC Runs Data Quality	Solution
If the surrogate recoveries for one run are within acceptance criteria and the other run has 3-4 surrogates outside of acceptance criteria :	The run with surrogate recoveries within acceptance criteria is selected as reportable.
If the surrogate recoveries for one run are within acceptance criteria and has some detections and the other run has 1-2 surrogates outside of acceptance criteria :	The run with surrogate recoveries within acceptance criteria is selected as reportable.
If one run has surrogate recoveries within acceptance criteria but is non-detect and the other run has 1-2 surrogates outside of acceptance criteria but has detections :	The run with detections is selected as reportable and the run with non-detects is not reported.
If both runs have detections and surrogate recoveries outside of acceptance criteria :	The run with more surrogates recoveries outside acceptance criteria is not reported and the run with fewer surrogate recoveries outside of acceptance criteria is selected as reportable.
If one run has surrogate recoveries outside of acceptance criteria but is non-detect and the other run has 1-2 more surrogates outside of acceptance criteria but has detections :	The run with detections is selected as reportable and the run with non-detects is not reported.
If both runs have the same number of surrogates with recovery outside the acceptance criteria:	If both results are detected, the higher of detections is selected as reportable; if one result is detected and one is non-detect, the detection is selected as reportable; if both results are non-detect, the lower reporting limit is selected as reportable.
If two VOC runs are reported and there are no QC issues for both runs:	If both results are detected, the higher of detections is selected as reportable; if one result is detected and one is non-detect, the detection is selected as reportable; if both results are non-detect, the lower reporting limit is selected as reportable.

Table H17
Soil RPD Calculations
Tank Group 09
 Bellwether District Holdings, LLC, Philadelphia, PA

Dataset	Location Code	Sample Name	Sample Date	Chem Group	PARAMNAME	CASRN	Total or Dissolved	RPD	Ratio	Primary Result	Primary Qualifier	Primary Limit	Duplicate Result	Duplicate Qualifier	Duplicate Limit	Average Result	Average Qualifier	Average Limit	Result Unit
AST	GPR1205-05	GPR1205-05-SS01	6/10/2024	VOC	Benzene	71-43-2	T	87%	2.5	1.80E+02		5.00E-01	7.10E+01		7.20E-01	1.26E+02		6.10E-01	mg/kg
AST	GPR1212-10	GPR1212-10-SS01	6/5/2024	VOC	Cumene	98-82-8	T	181%	20.0	1.40E-04	J	1.00E-03	2.80E-03		1.30E-03	1.47E-03	J	1.15E-03	mg/kg
AST	GPR1214-07	GPR1214-07-SS01	6/4/2024	VOC	Benzene	71-43-2	T	22%	1.3	5.50E-04	J	6.70E-04	4.40E-04	J	6.30E-04	4.95E-04	J	6.50E-04	mg/kg
AST	GPR1216-01	GPR1216-01-SS01	6/11/2024	VOC	Cumene	98-82-8	T	188%	33.3	1.70E-02		1.40E-03	5.10E-04	J	1.60E-03	8.76E-03	J	1.50E-03	mg/kg
AST	GPR1217-07	GPR1217-07-SS01	6/6/2024	VOC	Cumene	98-82-8	T	171%	12.7	2.20E-04	J	1.00E-03	2.80E-03		1.20E-03	1.51E-03	J	1.10E-03	mg/kg

Appendix I

Release Notification





June 26, 2024

Ms. Chelsea Fazzino
Pennsylvania Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

sent via electronic mail: cfazzino@pa.gov

**Subject: Bellwether District Holdings, LLC
PADEP Notification of Release Form – Tank Group 09
PADEP Facility ID #51-97890 – Girard Point Refinery
Incident No. 60221
Initial Notification
3144 W. Passyunk Avenue, Philadelphia, PA 19141**

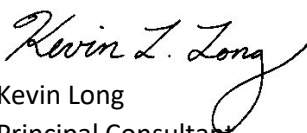
Dear Chelsea:

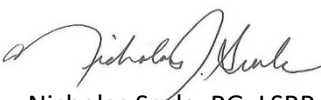
Enclosed please find a copy of the Pennsylvania Department of Environmental Protection's (PADEP) Notification of Release Form for the Bellwether District Holdings, LLC (BDH)¹ Girard Point Refinery. The PADEP was notified via telephone on June 20, 2024, that Aboveground Storage Tank (AST) Site Assessment sampling, performed in Tank Group 09, identified constituents in soil at concentrations greater than the applicable PADEP Medium Specific Concentrations (MSCs). Specifically, concentrations greater than applicable MSCs were identified at tanks GP R 1205 (001A), GP R 1208 (012A), GP R 1209 (013A), GP R 1211 (003A), GP R 1212 (014A), GP R 1213 (004A), GP R 1214 (005A), GP R 1215 (009A), GP R 1218 (006A), and GP R 1219 (007A). This notification is the initial incident reported in Tank Group 09 (Incident # 60221).

Please contact me at kevin.long@terraphase.com / 609-236-8171 x93 or Nick Scala at nick.scala@terraphase.com / 609-236-8171 x92 with any questions.

Sincerely,

for Terraphase Engineering Inc.


Kevin Long
Principal Consultant


Nicholas Scala, PG, LSRP
Principal Geologist

KL/NS:cs

Enclosure: PADEP Notification of Release Form (Tank Group 09)

¹ Formerly known as Philadelphia Energy Solutions Refining and Marketing LLC.

cc: Amy Piccone (apiccone@hilcoglobal.com)
Stephanie Eggert (seggert@hilcoglobal.com)
Charles Barksdale (cbarksdale@hilcoglobal.com)
Bob Armstrong (rarmstrong@NorthStar.com)
PADEP – (ra-serotanks@pa.gov)
Ralph DiPietro (Philadelphia L & I – ralph.dipietro@phila.gov)

NOTIFICATION OF RELEASE (*Owners and Operators*)

FACILITY I.D. NUMBER 51 - 97890

Initial
 Follow-Up

NOTIFICATION OF CONTAMINATION (*Certified Installers and Inspectors*)

INFORMATION FOR OWNERS AND OPERATORS (O/O)

The Storage Tank Program's Corrective Action Process (CAP) regulations establish requirements for owners and operators of storage tank systems and storage tank facilities to report confirmed releases and, in certain cases, suspected releases.

Suspected Release Reporting: Upon the completion of a suspected release investigation from which it could not be determined whether a release has occurred, the owner or operator must, within 15 days of the indication of the suspected release, complete and submit this form to the appropriate regional office of the Department (Subsection 245.304(c)(2)).

Confirmed Release Reporting: The owner or operator must notify the appropriate regional office of the Department by telephone as soon as practicable, but no later than 24 hours, after the confirmation of a release (Subsections 245.305(a) and (b)). Within 15 days of that telephone notification, the owner or operator must complete and submit this form to the appropriate regional office of the Department, to each municipality in which the release occurred, and to each municipality where that release has impacted environmental media or water supplies, buildings, or sewer or other utility lines (Subsections 245.305(c) and (e)). And if new impacts to environmental media or water supplies, buildings, or sewer or other utility lines are discovered after that initial written notification, the owner or operator must, within 15 days of the discovery of the new impact, complete and submit this form to the Department and to each impacted municipality (Subsections 245.305(d) and (e)).

INFORMATION FOR CERTIFIED INSTALLERS AND INSPECTORS (I/I)

In accordance with the Storage Tank Program's certification regulations, certified installers and inspectors must complete and submit this form to the Department within 48 hours of observing any of the following while performing services as a certified installer or inspector: a release of a regulated substance; suspected or confirmed contamination of soil, surface or groundwater from regulated substances; or a regulated substance in a containment structure or facility (Subsections 245.132(a)(4) and 245.132(a)(6)).

INSTRUCTIONS

Record the storage tank facility I.D. number at the top right-hand corner of each page of this form.

Owners and Operators (O/O): Indicate if this is an initial or follow-up notification by marking the appropriate box found in the top right-hand corner of this page.

- To report a Suspected Release, complete all information in Sections I, II, IIIA, IIIC, VI, VIII and IX.
- To report a Confirmed Release, complete all information in Sections I, II, IIIA, IIIB, IIIC, IV, V, VIII and IX.

Certified Installers and Inspectors (I/I): Complete all information in Sections I, II, IIIA, IIIC, VI or VII, VIII, and IX. Attach a copy of the failed, valid tightness test results, if applicable.

PLEASE SEND COMPLETED ORIGINAL FORM TO:

PA Department of Environmental Protection
Environmental Cleanup and Brownfields Program
Storage Tank Section

(and the appropriate address below, depending on where the FACILITY is located)

<p>Northwest Region 230 Chestnut Street Meadville, PA 16335-3481 PHONE: 814-332-6945 / 800-373-3398 FAX: 814-332-6121 Counties: Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, Warren</p>	<p>North-central Region 208 W. Third Street, Suite 101 Williamsport, PA 17701 PHONE: 570-327-3636 FAX: 570-327-3420 Counties: Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, Union</p>	<p>Northeast Region 2 Public Square Wilkes-Barre, PA 18701-1915 PHONE: 570-826-2511 FAX: 570-820-4907 Counties: Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, Wyoming</p>
<p>Southwest Region 400 Waterfront Drive Pittsburgh, PA 15222 PHONE: 412-442-4000 FAX: 412-442-4194 Counties: Allegheny, Beaver, Cambria, Fayette, Greene, Somerset, Washington, Westmoreland</p>	<p>South-central Region 909 Elmerton Avenue Harrisburg, PA 17110 PHONE: 717-705-4705 / 800-541-2050 FAX: 717-705-4830 Counties: Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, York</p>	<p>Southeast Region 2 East Main Street Norristown, PA 19401 PHONE: 484-250-5900 FAX: 484-250-5961 Counties: Bucks, Chester, Delaware, Montgomery, Philadelphia</p>

I. FACILITY INFORMATION (Both O/O and I/I)	II. OWNER/OPERATOR INFORMATION (Both O/O and I/I)
Facility Name <u>Philadelphia Refinery Girard Point</u> Facility I.D. Number <u>51-97890</u> Street Address (P.O. Box not acceptable) <u>3144 W. Passyunk Avenue</u> City <u>Philadelphia</u> State <u>PA</u> Zip Code <u>19141 - 5299</u> County <u>Philadelphia</u> Municipality <u>Philadelphia</u> Contact Person <u>Anne R. Garr</u> Telephone Number <u>(312) 796 - 6564</u>	Owner Name <u>Bellwether District Holdings, LLC</u> Address <u>111 S. Wacker Dr, Suite 3000</u> City <u>Chicago</u> State <u>IL</u> Zip Code <u>60606 -</u> Telephone Number <u>(312) 796 - 6564</u> Operator Name <u>Anne R. Garr</u> Telephone Number <u>(312) 796 - 6564</u>

III. REGULATED SUBSTANCE INFORMATION		
A. Type of Product(s) Involved (Mark All That Apply <input checked="" type="checkbox"/>): <u>Both O/O and I/I</u>	B. Quantity (Gallons) of Product(s) Released: <u>O/O Only</u>	C. Contamination Suspected [S] or Confirmed [C] (Mark All That Apply <input checked="" type="checkbox"/>): <u>Both O/O and I/I</u>
Leaded Gasoline <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Unleaded Gasoline <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Aviation Gasoline <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Kerosene <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Jet Fuel <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Diesel Fuel <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
New Motor Oil <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Used Motor Oil <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Fuel Oil No. 1 <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Fuel Oil No. 2 <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Fuel Oil No. 4 <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Fuel Oil No. 5 <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Fuel Oil No. 6 <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]
Other (Specify) <u>Benzene, Cumene, Cumene</u> <u>Offtest</u> <input checked="" type="checkbox"/> <u>U N K N O W N</u> <input type="checkbox"/> [S] <input checked="" type="checkbox"/> [C]
Unknown <input type="checkbox"/> <input type="checkbox"/> [S] <input type="checkbox"/> [C]

IV. CONFIRMED RELEASE INFORMATION (O/O Only)		
Date Release was Confirmed: <u>6 / 20 / 2024</u> (m / d / y)	Date Owner/Operator Sent Copy of this Written Notification to Local Municipality(ies) and Name of Municipality(ies) Notified:	
Date Owner/Operator Verbally Notified Appropriate Regional Office of Confirmed Release and Office Notified: Date: <u>6 / 20 / 2024</u> Office <u>Southeast Region</u>	Date: <u>6 / 26 / 2024</u> Municipality <u>Philadelphia</u>	Date: _____ Municipality _____
Source (Mark All That Apply <input checked="" type="checkbox"/>):	How Discovered (Mark All That Apply <input checked="" type="checkbox"/>):	Environmental Media Affected and Impacts (Mark All That Apply <input checked="" type="checkbox"/>):
Tank (DEP Assigned Nos. <u>001A, 012A, 013A, 003A, 014A, 004A, 005A, 009A, 006A, 007A</u>)... <input checked="" type="checkbox"/>	During Closure..... <input checked="" type="checkbox"/>	Soil <input checked="" type="checkbox"/>
Piping System (Aboveground Regulated) <input checked="" type="checkbox"/>	Lining Installation..... <input type="checkbox"/>	Sediment <input type="checkbox"/>
Piping System (Underground Regulated)..... <input type="checkbox"/>	Routine Leak Detection <input type="checkbox"/>	Surface Water <input type="checkbox"/>
Piping System (Non-Regulated)..... <input type="checkbox"/>	Third Party Inspection..... <input type="checkbox"/>	Ground Water <input type="checkbox"/>
Dispenser/Dispensing Equipment <input type="checkbox"/>	Tightness Testing Activities <input type="checkbox"/>	Bedrock <input type="checkbox"/>
Spill Prevention Equipment..... <input type="checkbox"/>	Visible Product or Odor Reports <input type="checkbox"/>	Water Supplies <input type="checkbox"/>
Submersible Turbine Pump Head/Fittings..... <input type="checkbox"/>	Water in Tank..... <input type="checkbox"/>	Vapors/Product in Buildings <input type="checkbox"/>
Containment/Sump Failure <input type="checkbox"/>	Construction <input type="checkbox"/>	Vapors/Product in Sewer/Utility Lines <input type="checkbox"/>
Other (Specify) <input type="checkbox"/>	Upgrade/Repair <input type="checkbox"/>	Ecological Receptors..... <input type="checkbox"/>
Unknown <input type="checkbox"/>		

Cause (Mark All That Apply <input checkbox"="" checked="" type="checkbox>):</th> </tr> </thead> <tbody> <tr> <td>Faulty Installation.....</td> <td><input type="/>	
Corrosion.....	<input type="checkbox"/>
Physical/Mechanical Failure.....	<input type="checkbox"/>
Spill During Delivery	<input type="checkbox"/>
Overfill at Delivery.....	<input type="checkbox"/>
Vehicle Gas Tank Overfill	<input type="checkbox"/>
Product Delivery Hose Rupture.....	<input type="checkbox"/>
Accident/Natural Disaster	<input type="checkbox"/>
Other (Specify) _____	<input type="checkbox"/>
Unknown	<input checked="" type="checkbox"/>
Supply Well Sample Results	<input type="checkbox"/>
Monitoring Well Sample Results	<input type="checkbox"/>
Property Transfer.....	<input type="checkbox"/>
Other (Specify) <u>Site Assessment Sampling</u>	<input checked="" type="checkbox"/>
Unknown	<input type="checkbox"/>

V. INTERIM REMEDIAL ACTIONS (O/O Only)

Indicate the Interim Remedial Actions Planned, Initiated or Completed (Mark All That Apply

	Planned	Initiated	Completed	Not Applicable
Regulated Substance Removed from Storage Tanks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire, Explosion and Safety Hazards Mitigated	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Contaminated Soil Excavated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free Product Recovered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Water Supplies Identified and Sampled.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary Water Supplies Provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other (Specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

VI. SUSPECTED RELEASE / CONTAMINATION INFORMATION (Both O/O and I/I)

Date the Indication of a Suspected Release / Contamination was Observed: 6 / 20 / 2024
m d y

Indication of Suspected Release / Contamination (Mark All That Apply

<input type="checkbox"/> Unusual Level of Vapors	<input type="checkbox"/> Containment Sump Test Failure
<input type="checkbox"/> Erratic Behavior of Product Dispensing Equipment	<input type="checkbox"/> Spill Prevention Equipment Test Failure
<input type="checkbox"/> Release Detection Results Indicate a Release	<input checked="" type="checkbox"/> Other (Specify) <u>Site Assessment Sampling Results</u>
<input type="checkbox"/> Discovery of Holes in the Storage Tank	

VII. CONFIRMED CONTAMINATION INFORMATION (I/I Only)

Date the Confirmed Contamination was Observed: 6 / 20 / 2024
m d y

Extent of Confirmed Contamination (Mark All That Apply

<input type="checkbox"/> Product Stained or Product Saturated Soil or Backfill	<input type="checkbox"/> Free Product or Sheen on the Ground Water Surface
<input type="checkbox"/> Poned Product	<input type="checkbox"/> Free Product or Sheen on Surface Water
<input type="checkbox"/> Free Product or Sheen on Poned Water	<input checked="" type="checkbox"/> Other (Specify) <u>Site Assessment Sampling Results</u>

VIII. ADDITIONAL INFORMATION (Both O/O and I/I)

Provide any additional, relevant, available information concerning the release or contamination. If reporting a confirmed release, include specific details about the source and cause of the release, the affected environmental media, and any impacts to water supplies, buildings, or sewer or other utility lines. Owners or Operators reporting a suspected release should describe what procedures were followed to investigate the indication(s) of the suspected release noted in Section VI. Provide both DEP-assigned and owner/operator-assigned tank number(s), where applicable. Use additional 8½" x 11" sheets of paper, if necessary.

Work is being performed at the Site in accordance with the Aboveground Storage Tank Closure Work Plan (AST Work Plan) (Terraphase 2021). The PADEP approved the AST Work Plan on April 23, 2021. Pursuant to the AST Work Plan, Site Assessment sampling is being performed in Tank Groups. This notification is provided to PADEP to report that the Site Assessment sampling performed in Tank Group 09 has identified chemical concentrations in soil at levels above applicable Statewide Health Medium Specific Concentrations (MSCs). Benzene and cumene were detected in soil samples at concentrations greater than the applicable MSCs. Site Characterization will be performed to understand the nature and extent of these concentrations above MSCs and to further assess whether these conditions actually reflect a release to the environment from these ASTs.

This notification is the initial incident reported in Tank Group 09. Pursuant to discussions with our PADEP case team, this and any subsequent notifications required in Tank Group 09 will be combined with the incident number, once assigned.

